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: P991270

Luminaire Tested: **GPC-SA2B-750-U-RBC**

Issue Date: 07/03/2025

Report Generated By 670245763

Cooper Lighting Solutions Photometric Lab
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Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P991270
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	07/03/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GPC-SA2B-750-U-RBC
Description:	GALLEON PEDESTRAIAN COMPANION 800mA 2xLight Square PACKAGE 70CRI 5000K FIXTURE w/ RIGHT CORNER BACKLIGHT CONTROL
Light Source:	(28) 5000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	7786.1 lumens
Efficiency:	N/A
Efficacy:	107.8 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):	72.2
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:	24 FT

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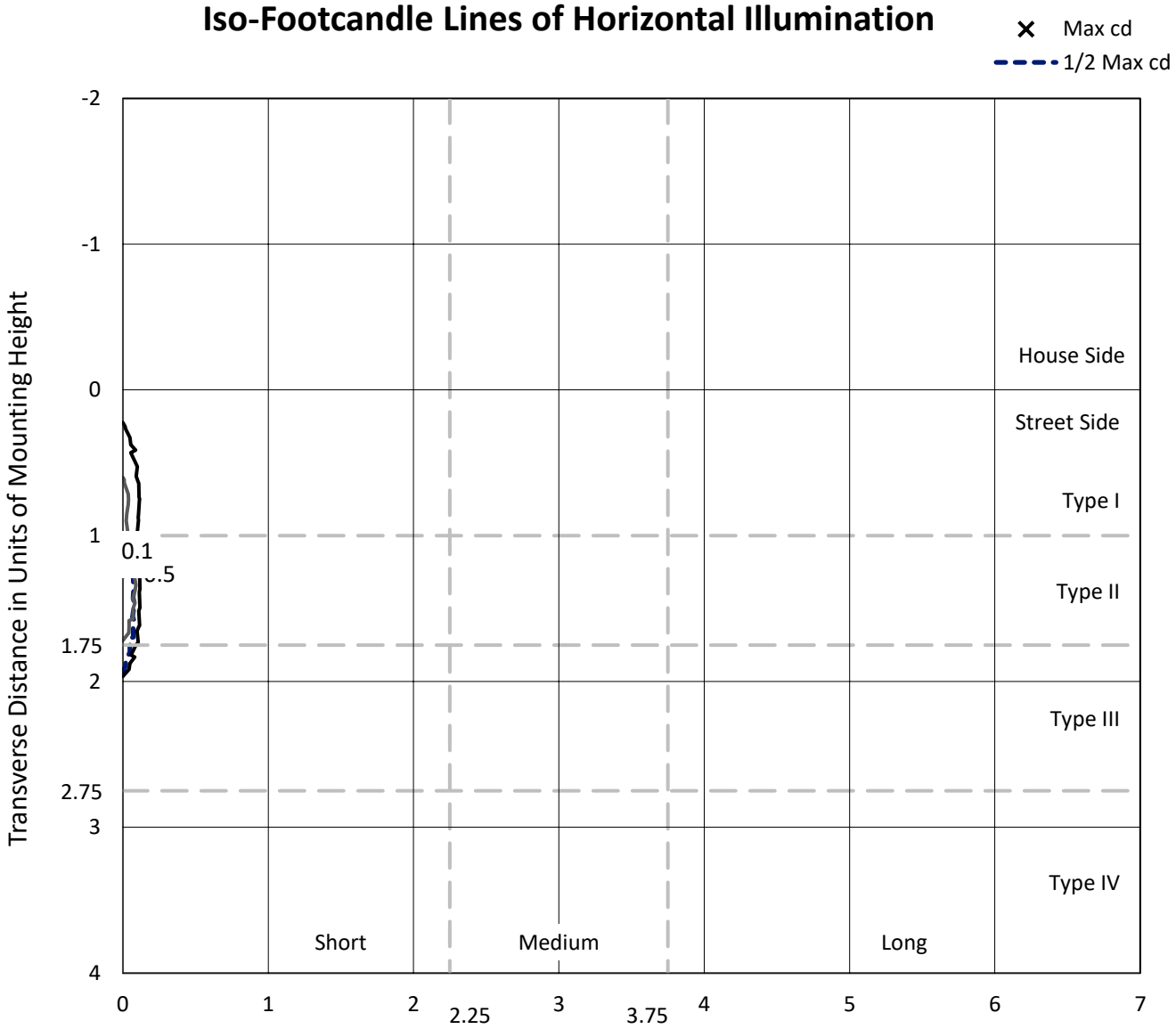
Iso-Footcandle Lines of Horizontal Illumination



Based on 20 foot mounting height. Maximum calculated value = 0.5 fc
Type III - Short - N/A

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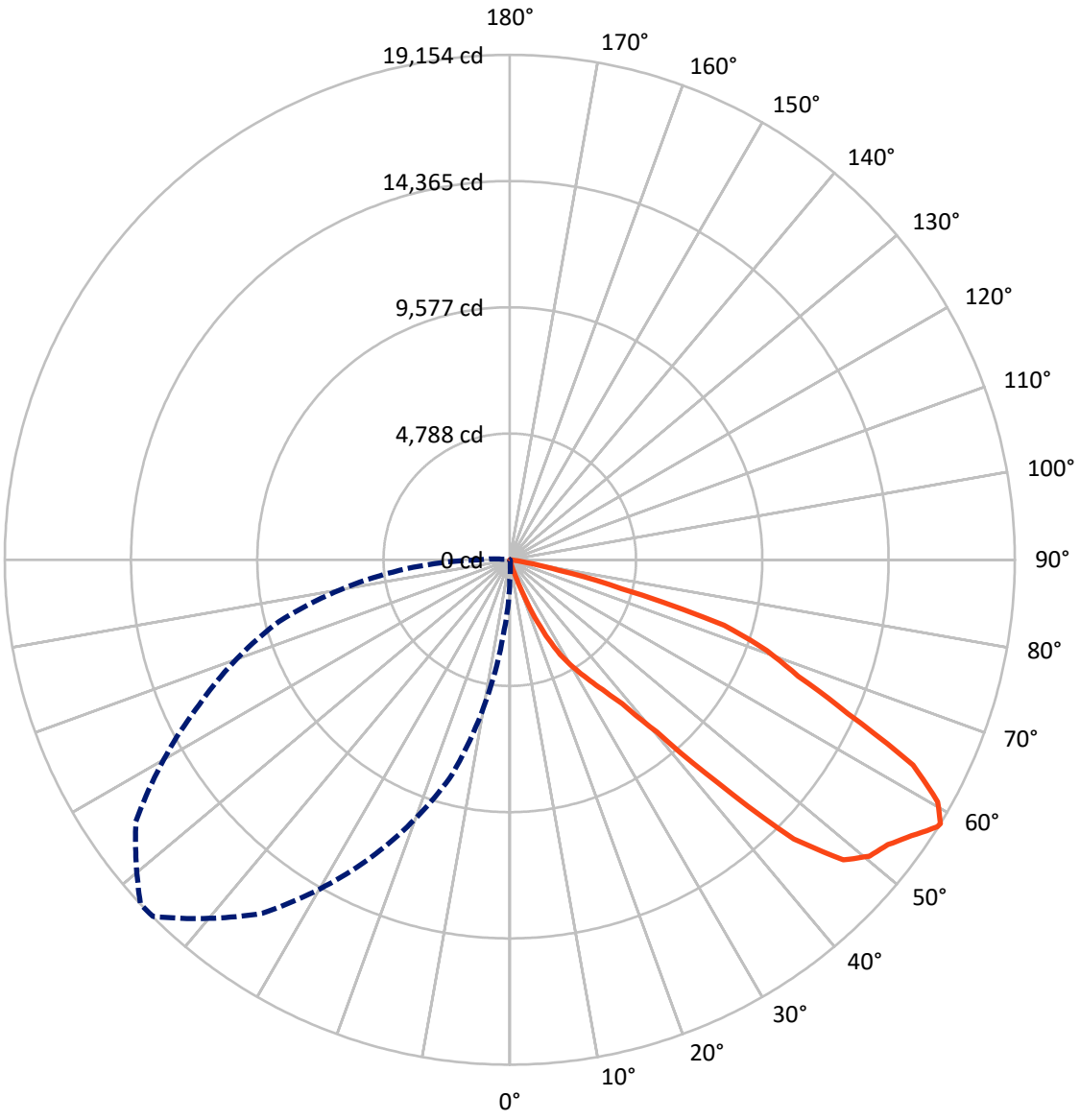
Luminous Intensity Polar Plot



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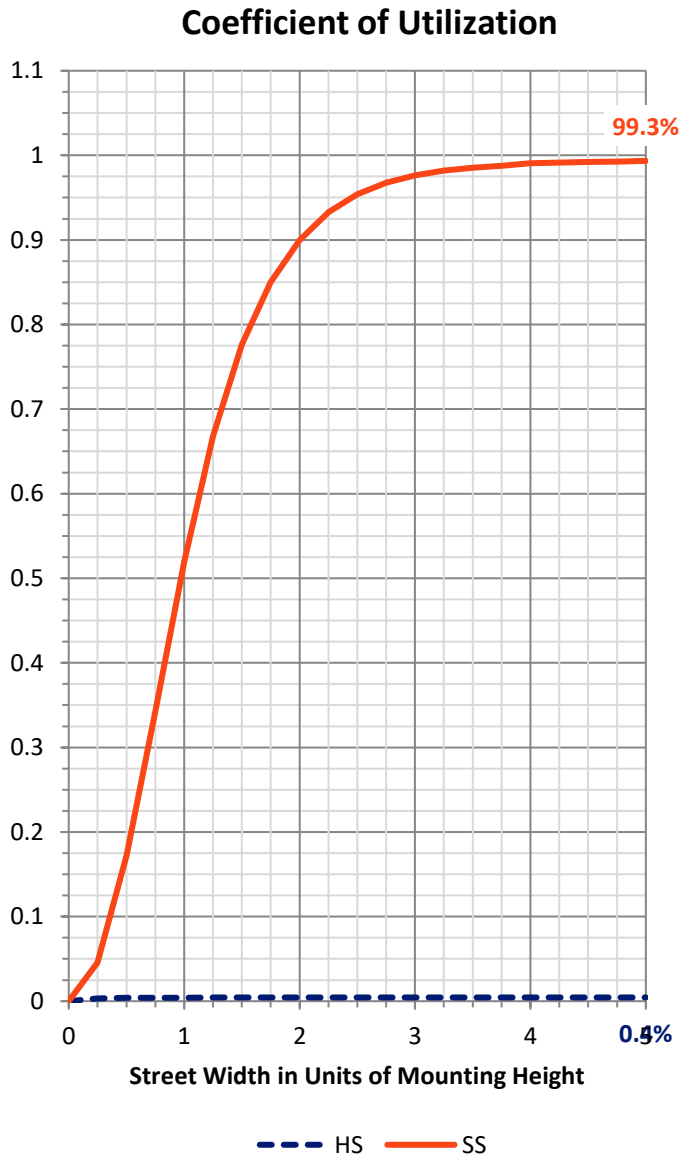
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	34.8	0.0	34.8
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	7751.3	0.0	7751.3
	% Fixture	99.6	0.0	99.6
Total	Lumens	7786.1	0.0	7786.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.1	0.0
10°-20°	13.5	0.2
20°-30°	196.6	2.5
30°-40°	565.3	7.3
40°-50°	1610.2	20.7
50°-60°	2532.8	32.5
60°-70°	2159.9	27.7
70°-80°	689.0	8.8
80°-90°	17.5	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°	7786.1	100.0
0°-180°	7786.1	100.0



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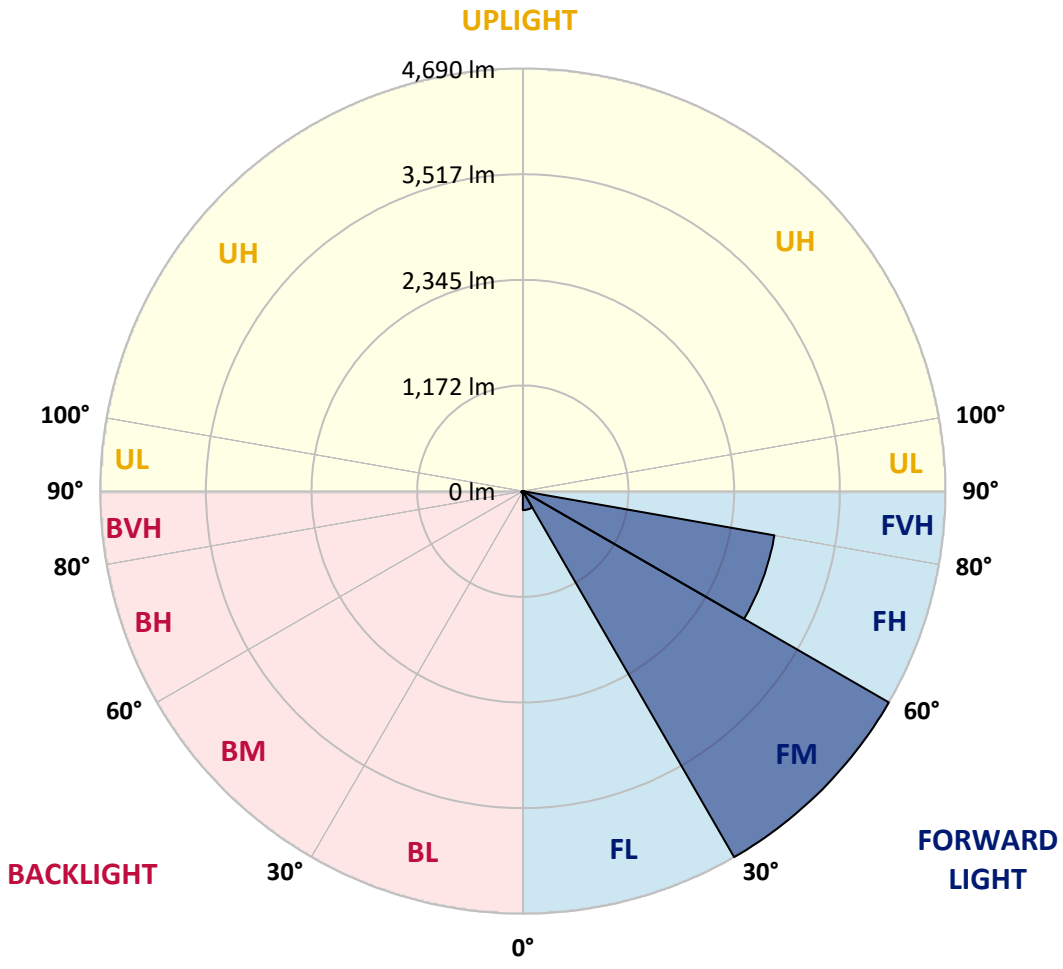
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	209.9	2.7			
FM	(30°-60°)	4689.7	60.2			
FH	(60°-80°)	2835.1	36.4			G2/5000
FVH	(80°-90°)	16.6	0.2			G1/100
BL	(0°-30°)	1.4	0.0	B0/110		
BM	(30°-60°)	18.6	0.2	B0/220		
BH	(60°-80°)	13.8	0.2	B0/110		G0/110
BVH	(80°-90°)	1.0	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°	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9
2.5°	28.0	29.6	31.2	29.6	26.5	20.3	20.3	15.6	10.9	6.2	4.7
5°	31.2	31.2	31.2	29.6	26.5	20.3	18.7	14.0	9.3	6.2	3.1
7.5°	34.3	34.3	32.7	29.6	24.9	20.3	18.7	14.0	9.3	4.7	0.0
10°	37.4	37.4	34.3	31.2	24.9	18.7	17.1	12.5	7.8	3.1	0.0
12.5°	42.1	40.5	35.8	31.2	24.9	17.1	17.1	12.5	6.2	1.6	0.0
15°	48.3	43.6	37.4	31.2	23.4	17.1	15.6	10.9	4.7	0.0	0.0
17.5°	53.0	48.3	39.0	29.6	21.8	15.6	14.0	9.3	4.7	0.0	0.0
20°	57.7	49.9	39.0	29.6	21.8	14.0	12.5	7.8	1.6	0.0	0.0
22.5°	65.4	53.0	39.0	29.6	20.3	12.5	10.9	6.2	0.0	0.0	0.0
25°	81.0	56.1	39.0	28.0	18.7	10.9	9.3	3.1	0.0	0.0	0.0
27.5°	99.7	60.8	39.0	26.5	17.1	9.3	7.8	1.6	0.0	0.0	0.0
30°	120.0	65.4	39.0	26.5	15.6	7.8	6.2	0.0	0.0	0.0	0.0
32.5°	141.8	71.7	39.0	24.9	14.0	6.2	4.7	0.0	0.0	0.0	0.0
35°	182.3	81.0	39.0	24.9	12.5	4.7	3.1	0.0	0.0	0.0	0.0
37.5°	201.0	93.5	39.0	23.4	12.5	3.1	1.6	0.0	0.0	0.0	0.0
40°	208.8	90.4	37.4	23.4	10.9	1.6	0.0	0.0	0.0	0.0	0.0
42.5°	225.9	84.1	39.0	21.8	10.9	1.6	0.0	0.0	0.0	0.0	0.0
45°	275.8	84.1	42.1	21.8	9.3	3.1	0.0	0.0	0.0	0.0	0.0
47.5°	478.4	87.3	40.5	21.8	9.3	3.1	0.0	0.0	0.0	0.0	0.0
50°	786.9	102.8	39.0	23.4	10.9	1.6	0.0	0.0	0.0	0.0	0.0
52.5°	913.1	124.7	39.0	24.9	14.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	875.7	152.7	39.0	26.5	17.1	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	796.3	144.9	42.1	31.2	21.8	0.0	0.0	0.0	0.0	0.0	0.0
58°	*766.7*	*144.9*	*42.1*	*31.2*	*21.8*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*
60°	601.5	148.0	48.3	34.3	23.4	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	447.2	151.1	54.5	39.0	23.4	1.6	0.0	0.0	0.0	0.0	0.0
65°	331.9	157.4	57.7	45.2	21.8	3.1	0.0	0.0	0.0	0.0	0.0
67.5°	264.9	162.1	62.3	49.9	24.9	6.2	1.6	0.0	0.0	0.0	0.0
70°	227.5	155.8	67.0	51.4	23.4	9.3	4.7	0.0	0.0	0.0	0.0
72.5°	202.6	146.5	76.4	49.9	24.9	9.3	4.7	0.0	0.0	0.0	0.0
75°	182.3	134.0	87.3	48.3	24.9	9.3	6.2	0.0	0.0	0.0	0.0
77.5°	137.1	116.9	85.7	46.7	23.4	9.3	6.2	0.0	0.0	0.0	0.0
80°	68.6	77.9	74.8	42.1	18.7	7.8	6.2	1.6	0.0	0.0	0.0
82.5°	28.0	29.6	37.4	31.2	15.6	6.2	6.2	1.6	0.0	0.0	0.0
85°	3.1	6.2	10.9	12.5	10.9	6.2	6.2	1.6	0.0	0.0	0.0
87.5°	0.0	1.6	6.2	9.3	7.8	4.7	3.1	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°	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9
2.5°	3.1	3.1	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
5°	1.6	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°	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9
2.5°	1.6	3.1	3.1	3.1	4.7	4.7	6.2	7.8	7.8	7.8	9.3
5°	0.0	0.0	1.6	1.6	3.1	4.7	6.2	9.3	10.9	10.9	12.5
7.5°	0.0	0.0	0.0	1.6	3.1	4.7	6.2	9.3	12.5	14.0	15.6
10°	0.0	0.0	0.0	0.0	1.6	3.1	6.2	10.9	15.6	18.7	21.8
12.5°	0.0	0.0	0.0	0.0	0.0	1.6	6.2	12.5	18.7	23.4	26.5
15°	0.0	0.0	0.0	0.0	0.0	1.6	6.2	12.5	23.4	28.0	34.3
17.5°	0.0	0.0	0.0	0.0	0.0	0.0	6.2	14.0	26.5	34.3	46.7
20°	0.0	0.0	0.0	0.0	0.0	0.0	4.7	14.0	29.6	42.1	70.1
22.5°	0.0	0.0	0.0	0.0	0.0	0.0	4.7	14.0	32.7	54.5	129.3
25°	0.0	0.0	0.0	0.0	0.0	0.0	3.1	14.0	37.4	81.0	215.0
27.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.1	15.6	45.2	113.8	314.8
30°	0.0	0.0	0.0	0.0	0.0	0.0	3.1	15.6	56.1	154.3	439.4
32.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.6	15.6	65.4	194.8	598.4
35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.0	77.9	258.7	751.1
37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.0	96.6	285.2	880.4
40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5	91.9	310.1	1028.4
42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.0	84.1	345.9	1260.6
45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.0	84.1	458.1	1774.8
47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5	102.8	713.7	2712.9
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.3	132.4	1095.4	3862.9
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.8	160.5	1347.9	4529.8
55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.8	193.2	1349.4	4508.0
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.3	215.0	1207.6	4068.6
58°	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*10.9*	*213.5*	*1168.7*	*3947.0*
60°	0.0	0.0	0.0	0.0	0.0	0.0	1.6	15.6	187.0	1014.4	3445.3
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	6.2	24.9	163.6	727.7	2856.2
65°	0.0	0.0	0.0	0.0	0.0	0.0	12.5	28.0	149.6	528.2	2144.1
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	15.6	32.7	143.4	374.0	1491.2
70°	0.0	0.0	0.0	0.0	0.0	0.0	18.7	37.4	132.4	268.0	981.7
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	18.7	46.7	124.7	210.4	592.1
75°	0.0	0.0	0.0	0.0	0.0	0.0	18.7	59.2	109.1	171.4	317.9
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	18.7	63.9	90.4	124.7	193.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	17.1	57.7	65.4	54.5	65.4
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	9.3	34.3	14.0	14.0	21.8
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: P991270
CATALOG NUMBER: GPC-SA2B-750-U-RBC

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	313°	315°	325°	335°	345°	355°	360°
0°	10.9	10.9	10.9	*10.9*	10.9	10.9	10.9	10.9	10.9	10.9
2.5°	10.9	10.9	10.9	*10.9*	12.5	12.5	17.1	21.8	26.5	28.0
5°	14.0	15.6	17.1	*17.1*	17.1	18.7	21.8	24.9	29.6	31.2
7.5°	20.3	21.8	24.9	*24.9*	24.9	26.5	28.0	31.2	34.3	34.3
10°	26.5	31.2	32.7	*34.3*	35.8	35.8	35.8	37.4	39.0	37.4
12.5°	35.8	42.1	49.9	*51.4*	51.4	51.4	49.9	46.7	43.6	42.1
15°	49.9	68.6	93.5	*102.8*	98.2	87.3	76.4	59.2	51.4	48.3
17.5°	91.9	187.0	339.7	*375.5*	367.7	316.3	185.4	90.4	60.8	53.0
20°	247.8	604.6	997.3	*1092.3*	1142.2	945.8	546.9	210.4	74.8	57.7
22.5°	534.5	1255.9	1946.2	*2192.4*	2208.0	1776.4	1064.3	427.0	107.5	65.4
25°	860.1	2008.6	2949.7	*3188.1*	3192.8	2737.8	1701.6	691.9	163.6	81.0
27.5°	1318.3	2815.7	3869.1	*4067.0*	4063.9	3602.6	2458.9	1056.5	229.1	99.7
30°	1787.3	3445.3	4475.3	*4721.5*	4744.8	4193.2	3091.5	1488.1	299.2	120.0
32.5°	2251.6	3911.2	5028.4	*5355.7*	5335.4	4715.2	3532.5	1841.8	419.2	141.8
35°	2617.8	4308.5	5640.8	*6042.8*	6058.4	5288.6	3923.6	2184.6	522.0	182.3
37.5°	2931.0	4821.2	6455.8	*6920.1*	6940.4	6002.3	4333.5	2521.2	610.8	201.0
40°	3317.5	5662.6	7805.2	*8593.7*	8596.8	7333.1	5070.5	2898.3	730.8	208.8
42.5°	4185.4	7465.5	10441.7	*11574.6*	11672.7	10094.2	6745.6	3716.4	919.4	225.9
45°	5921.3	9841.8	13804.4	*15108.6*	15233.3	13530.2	9617.4	5605.0	1333.8	275.8
47.5°	7986.0	11908.0	15758.4	*17014.4*	17097.0	15155.4	11540.3	7789.6	2270.3	478.4
50°	9255.9	12673.1	16476.8	*17675.1*	17689.1	15689.9	12143.3	8924.0	3234.9	786.9
52.5°	9650.1	12771.3	16504.8	*17954.0*	17994.5	15627.5	12225.9	9153.1	3636.9	913.1
55°	9489.7	12713.6	16800.9	*18486.9*	18530.5	15881.5	12169.8	8902.2	3448.4	875.7
57.5°	9123.5	12938.0	17287.1	*19119.5*	19119.5	16350.6	12377.1	8481.5	2987.1	796.3
58°	*9068.9*	*12994.1*	*17313.5*	*19153.8*	*19139.8*	*16380.2*	*12462.8*	*8420.7*	*2885.9*	*766.7*
60°	8994.1	13167.1	17117.2	*18647.4*	18606.9	16171.4	12618.6	8366.2	2395.0	601.5
62.5°	8885.1	12777.5	15686.8	*17157.7*	17053.3	14708.2	12171.4	8046.7	1787.3	447.2
65°	8325.6	11339.3	13076.7	*14095.8*	14063.1	12099.7	10476.0	7208.4	1287.1	331.9
67.5°	7018.3	8877.3	10563.3	*11791.2*	11799.0	9877.7	8193.2	5760.8	875.7	264.9
70°	4936.5	6547.7	8980.1	*10346.7*	10409.0	8285.1	6069.3	3839.5	578.1	227.5
72.5°	2948.2	4945.8	7467.1	*8504.8*	8472.1	6874.9	4503.3	2289.0	352.2	202.6
75°	1428.9	2956.0	3774.0	*4377.1*	4352.2	3439.0	2399.7	1121.9	257.1	182.3
77.5°	388.0	908.5	1461.6	*1901.0*	1952.5	1377.5	786.9	300.7	160.5	137.1
80°	130.9	280.5	476.8	*648.2*	665.4	595.2	296.1	106.0	70.1	68.6
82.5°	49.9	68.6	87.3	*77.9*	77.9	81.0	63.9	45.2	32.7	28.0
85°	0.0	0.0	1.6	*3.1*	3.1	4.7	4.7	4.7	3.1	3.1
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: SP1-2407-184-6

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-750-U-5WQ

Data in this report applies to families of products including GSS-SB1A-750-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

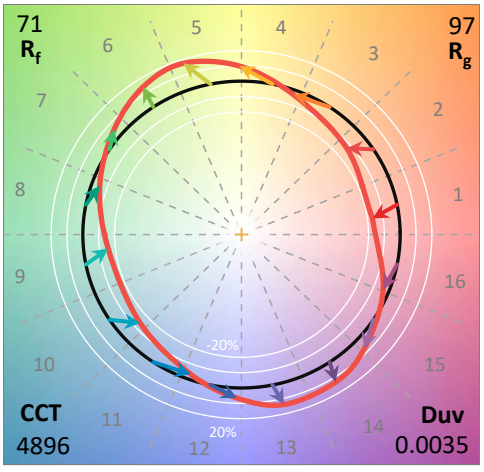
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-6
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-750-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 5000K CCT 26 LEDS

Spectral Parameters

CCT (K):	4896
CIE u':	0.2101
CIE v':	0.4901
Duv:	0.0035
CIE x:	0.3489
CIE y:	0.3618
CIE z:	0.2893
Peak Wavelength (nm):	443
Dominant Wavelength (nm):	570
Purity:	13.25435
Rf:	70.7
Rg:	96.8

CRI (Ra):	70.2
R1:	68.1
R2:	73.9
R3:	79.4
R4:	72.1
R5:	69.2
R6:	65.7
R7:	78.1
R8:	55.3
R9:	-35.1
R10:	39.3
R11:	71.1
R12:	43.8
R13:	68.1
R14:	88.4
R15:	59.7



Test Conditions

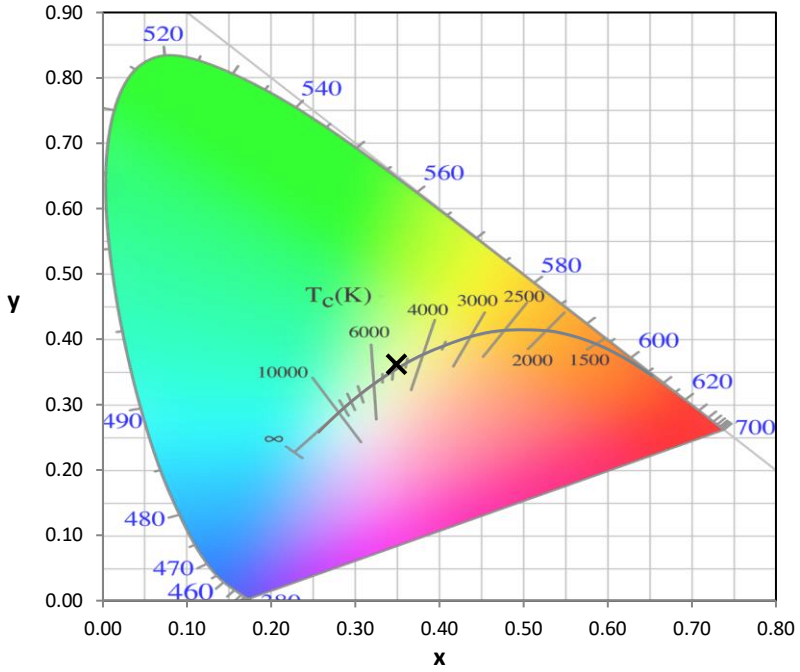
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-6

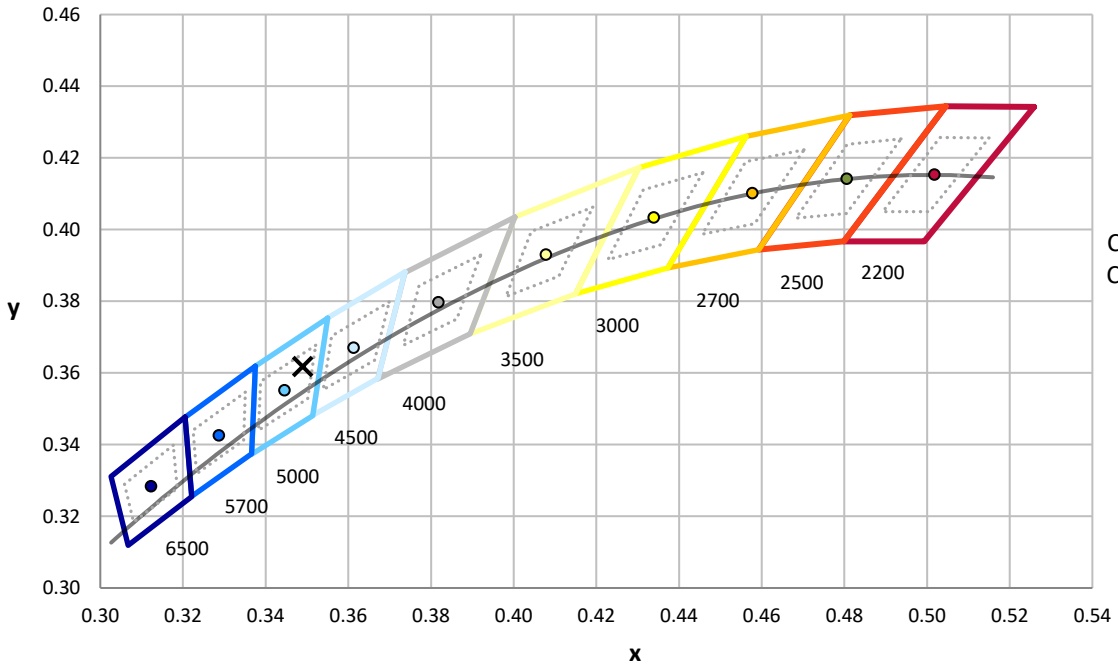
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-6

CIE 1931 Chromaticity Diagram



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

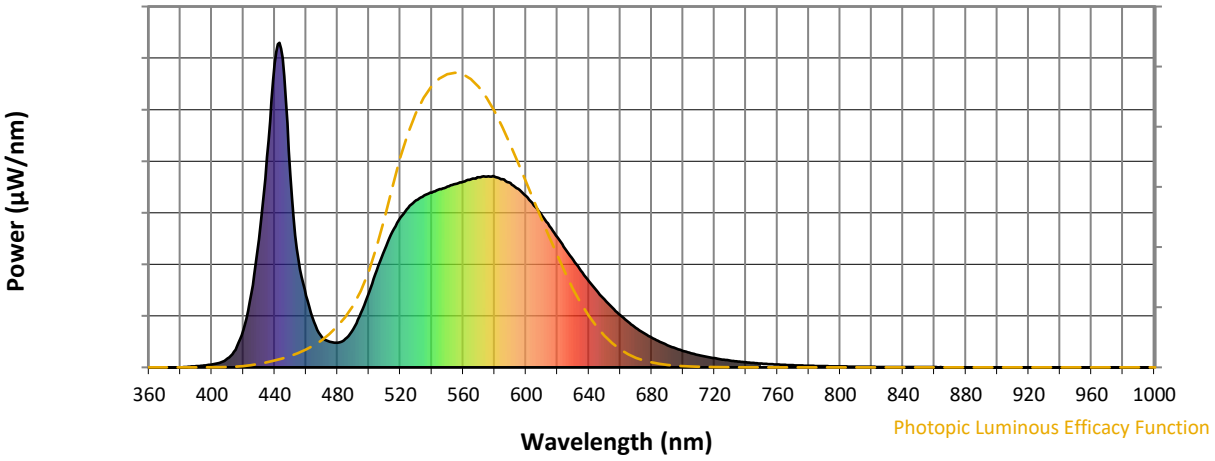


CCT = 4896K
CIE x = 0.3489
CIE y = 0.3618
Duv = 0.0035

Point lies inside the ANSI 5000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-6

Photopic Flux vs. Wavelength

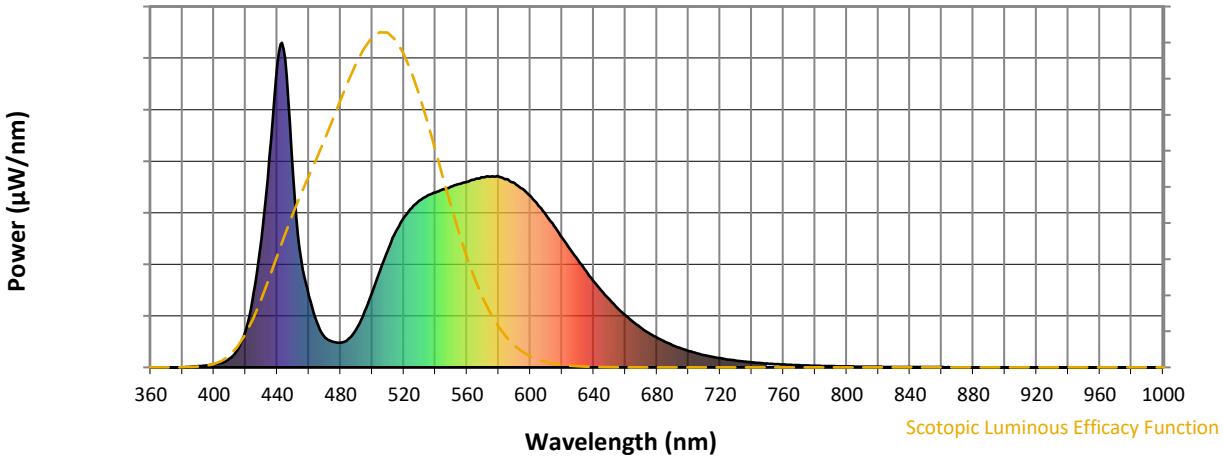


Photopic Lumens: NR

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	118	NR	620	401	NR	750	12	NR	880	0	NR
365	0	NR	495	168	NR	625	365	NR	755	10	NR	885	0	NR
370	0	NR	500	230	NR	630	331	NR	760	9	NR	890	0	NR
375	0	NR	505	299	NR	635	298	NR	765	8	NR	895	0	NR
380	0	NR	510	362	NR	640	266	NR	770	6	NR	900	0	NR
385	2	NR	515	418	NR	645	236	NR	775	6	NR	905	0	NR
390	4	NR	520	461	NR	650	209	NR	780	5	NR	910	0	NR
395	6	NR	525	491	NR	655	184	NR	785	4	NR	915	0	NR
400	9	NR	530	514	NR	660	160	NR	790	4	NR	920	0	NR
405	14	NR	535	530	NR	665	140	NR	795	3	NR	925	0	NR
410	27	NR	540	539	NR	670	122	NR	800	3	NR	930	0	NR
415	55	NR	545	549	NR	675	106	NR	805	2	NR	935	0	NR
420	115	NR	550	557	NR	680	92	NR	810	2	NR	940	0	NR
425	226	NR	555	565	NR	685	79	NR	815	2	NR	945	0	NR
430	395	NR	560	572	NR	690	68	NR	820	2	NR	950	0	NR
435	648	NR	565	580	NR	695	59	NR	825	1	NR	955	0	NR
440	937	NR	570	586	NR	700	51	NR	830	1	NR	960	0	NR
445	953	NR	575	588	NR	705	44	NR	835	1	NR	965	0	NR
450	591	NR	580	588	NR	710	38	NR	840	1	NR	970	0	NR
455	334	NR	585	580	NR	715	32	NR	845	1	NR	975	0	NR
460	221	NR	590	568	NR	720	28	NR	850	1	NR	980	0	NR
465	140	NR	595	550	NR	725	24	NR	855	1	NR	985	0	NR
470	93	NR	600	527	NR	730	21	NR	860	1	NR	990	0	NR
475	79	NR	605	499	NR	735	18	NR	865	0	NR	995	0	NR
480	76	NR	610	469	NR	740	15	NR	870	0	NR	1000	0	NR
485	87	NR	615	435	NR	745	13	NR	875	0	NR			

REPORT NUMBER: SP1-2407-184-6

Scotopic Flux vs. Wavelength

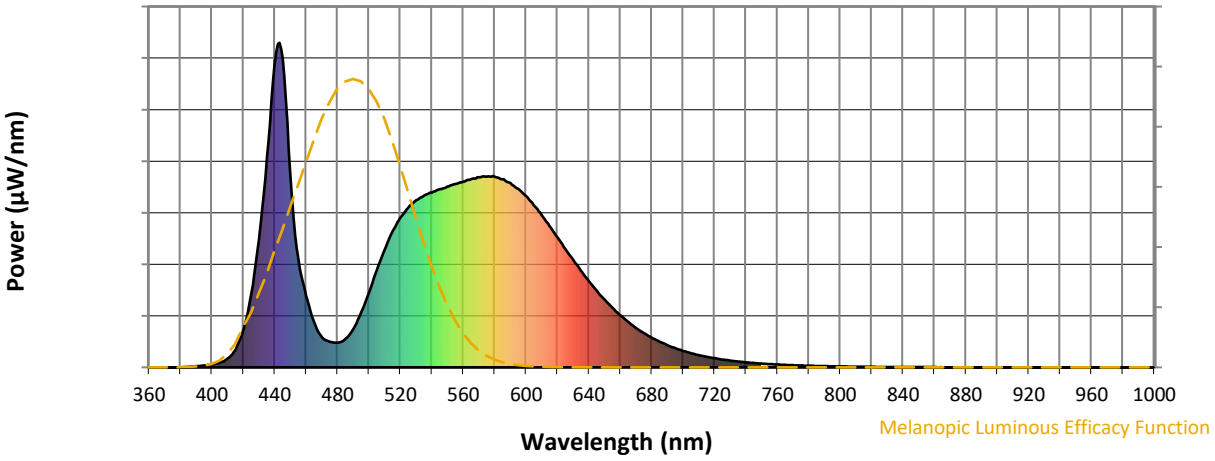


Scotopic Lumens: NR **S/P: 1.7**

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	118	NR	620	401	NR	750	12	NR	880	0	NR
365	0	NR	495	168	NR	625	365	NR	755	10	NR	885	0	NR
370	0	NR	500	230	NR	630	331	NR	760	9	NR	890	0	NR
375	0	NR	505	299	NR	635	298	NR	765	8	NR	895	0	NR
380	0	NR	510	362	NR	640	266	NR	770	6	NR	900	0	NR
385	2	NR	515	418	NR	645	236	NR	775	6	NR	905	0	NR
390	4	NR	520	461	NR	650	209	NR	780	5	NR	910	0	NR
395	6	NR	525	491	NR	655	184	NR	785	4	NR	915	0	NR
400	9	NR	530	514	NR	660	160	NR	790	4	NR	920	0	NR
405	14	NR	535	530	NR	665	140	NR	795	3	NR	925	0	NR
410	27	NR	540	539	NR	670	122	NR	800	3	NR	930	0	NR
415	55	NR	545	549	NR	675	106	NR	805	2	NR	935	0	NR
420	115	NR	550	557	NR	680	92	NR	810	2	NR	940	0	NR
425	226	NR	555	565	NR	685	79	NR	815	2	NR	945	0	NR
430	395	NR	560	572	NR	690	68	NR	820	2	NR	950	0	NR
435	648	NR	565	580	NR	695	59	NR	825	1	NR	955	0	NR
440	937	NR	570	586	NR	700	51	NR	830	1	NR	960	0	NR
445	953	NR	575	588	NR	705	44	NR	835	1	NR	965	0	NR
450	591	NR	580	588	NR	710	38	NR	840	1	NR	970	0	NR
455	334	NR	585	580	NR	715	32	NR	845	1	NR	975	0	NR
460	221	NR	590	568	NR	720	28	NR	850	1	NR	980	0	NR
465	140	NR	595	550	NR	725	24	NR	855	1	NR	985	0	NR
470	93	NR	600	527	NR	730	21	NR	860	1	NR	990	0	NR
475	79	NR	605	499	NR	735	18	NR	865	0	NR	995	0	NR
480	76	NR	610	469	NR	740	15	NR	870	0	NR	1000	0	NR
485	87	NR	615	435	NR	745	13	NR	875	0	NR			

REPORT NUMBER: SP1-2407-184-6

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 3.37**

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	118	NR	620	401	NR	750	12	NR	880	0	NR
365	0	NR	495	168	NR	625	365	NR	755	10	NR	885	0	NR
370	0	NR	500	230	NR	630	331	NR	760	9	NR	890	0	NR
375	0	NR	505	299	NR	635	298	NR	765	8	NR	895	0	NR
380	0	NR	510	362	NR	640	266	NR	770	6	NR	900	0	NR
385	2	NR	515	418	NR	645	236	NR	775	6	NR	905	0	NR
390	4	NR	520	461	NR	650	209	NR	780	5	NR	910	0	NR
395	6	NR	525	491	NR	655	184	NR	785	4	NR	915	0	NR
400	9	NR	530	514	NR	660	160	NR	790	4	NR	920	0	NR
405	14	NR	535	530	NR	665	140	NR	795	3	NR	925	0	NR
410	27	NR	540	539	NR	670	122	NR	800	3	NR	930	0	NR
415	55	NR	545	549	NR	675	106	NR	805	2	NR	935	0	NR
420	115	NR	550	557	NR	680	92	NR	810	2	NR	940	0	NR
425	226	NR	555	565	NR	685	79	NR	815	2	NR	945	0	NR
430	395	NR	560	572	NR	690	68	NR	820	2	NR	950	0	NR
435	648	NR	565	580	NR	695	59	NR	825	1	NR	955	0	NR
440	937	NR	570	586	NR	700	51	NR	830	1	NR	960	0	NR
445	953	NR	575	588	NR	705	44	NR	835	1	NR	965	0	NR
450	591	NR	580	588	NR	710	38	NR	840	1	NR	970	0	NR
455	334	NR	585	580	NR	715	32	NR	845	1	NR	975	0	NR
460	221	NR	590	568	NR	720	28	NR	850	1	NR	980	0	NR
465	140	NR	595	550	NR	725	24	NR	855	1	NR	985	0	NR
470	93	NR	600	527	NR	730	21	NR	860	1	NR	990	0	NR
475	79	NR	605	499	NR	735	18	NR	865	0	NR	995	0	NR
480	76	NR	610	469	NR	740	15	NR	870	0	NR	1000	0	NR
485	87	NR	615	435	NR	745	13	NR	875	0	NR			

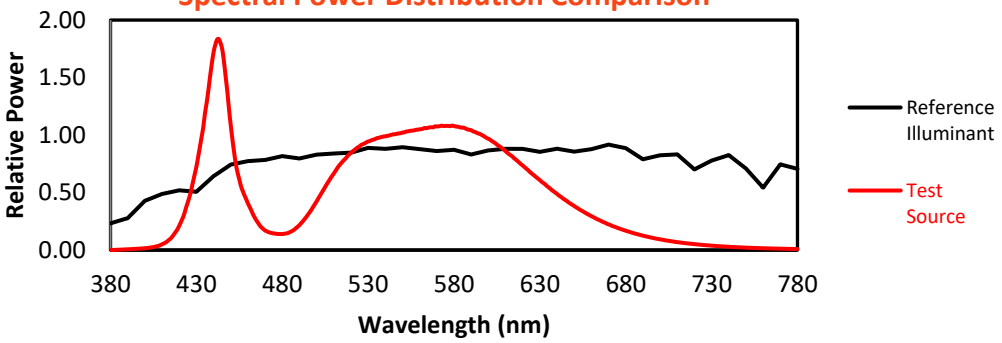
REPORT NUMBER: SP1-2407-184-6

TM-30-18

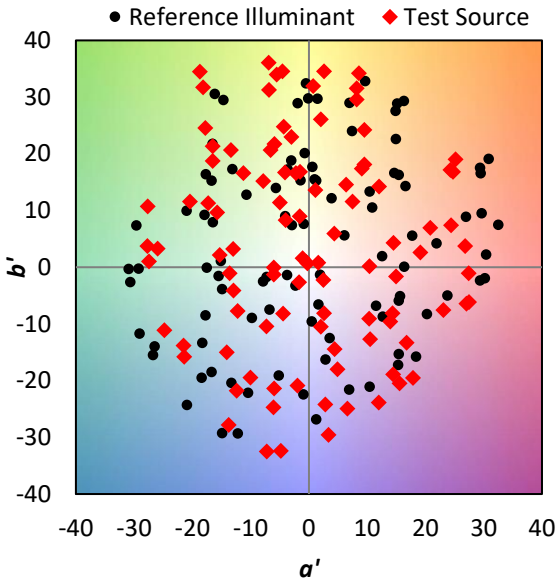
Summary

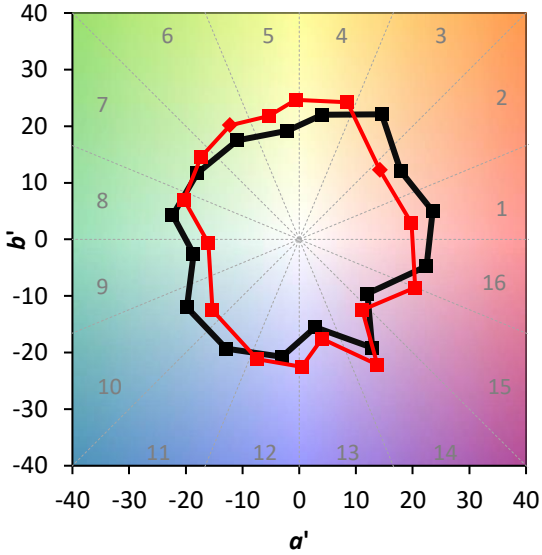
R_f = 70.7
R_g = 96.8
CIE R_a = 70.2
R_9 = -35.1

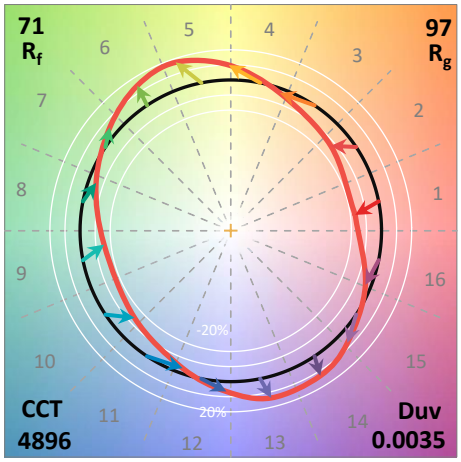
Spectral Power Distribution Comparison

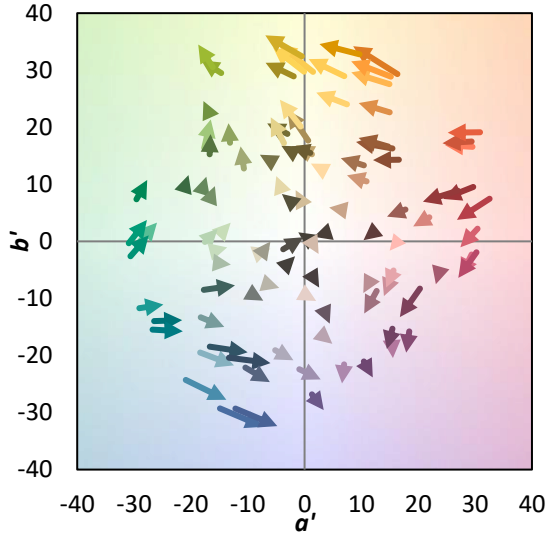


Color Vector Graphics







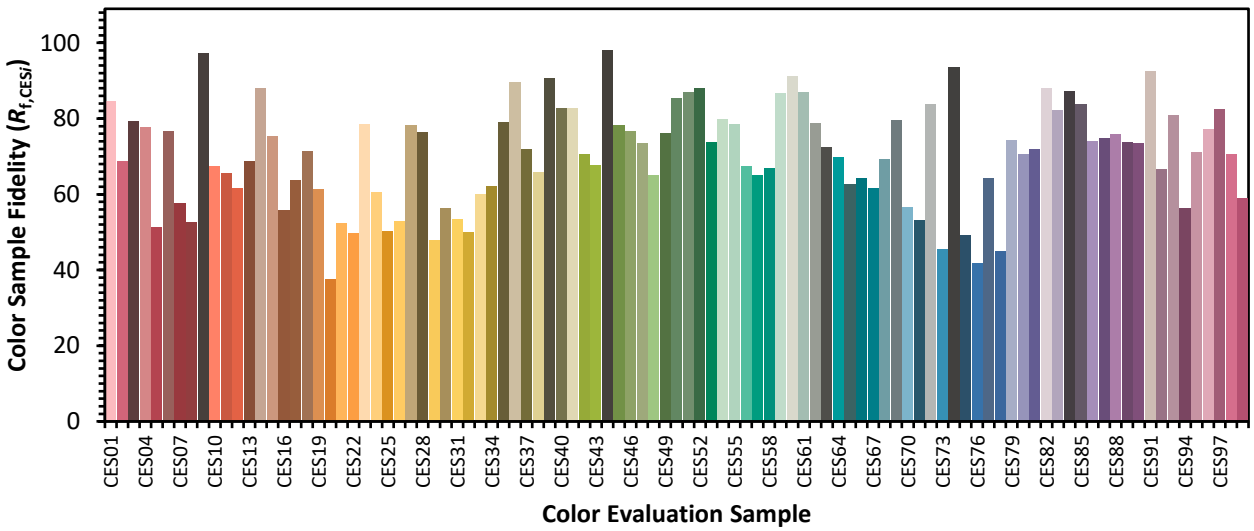


REPORT NUMBER: SP1-2407-184-6

TM-30-18

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

CES01 = 85	CES26 = 53	CES51 = 87	CES76 = 42
CES02 = 59	CES27 = 78	CES52 = 88	CES77 = 64
CES03 = 30	CES28 = 76	CES53 = 74	CES78 = 45
CES04 = 69	CES29 = 48	CES54 = 80	CES79 = 74
CES05 = 46	CES30 = 56	CES55 = 79	CES80 = 71
CES06 = 50	CES31 = 54	CES56 = 68	CES81 = 72
CES07 = 39	CES32 = 50	CES57 = 65	CES82 = 88
CES08 = 38	CES33 = 60	CES58 = 67	CES83 = 82
CES09 = 29	CES34 = 62	CES59 = 87	CES84 = 87
CES10 = 72	CES35 = 79	CES60 = 91	CES85 = 84
CES11 = 56	CES36 = 90	CES61 = 87	CES86 = 74
CES12 = 61	CES37 = 72	CES62 = 79	CES87 = 75
CES13 = 41	CES38 = 66	CES63 = 72	CES88 = 76
CES14 = 74	CES39 = 91	CES64 = 70	CES89 = 74
CES15 = 70	CES40 = 83	CES65 = 63	CES90 = 73
CES16 = 46	CES41 = 83	CES66 = 64	CES91 = 92
CES17 = 49	CES42 = 70	CES67 = 62	CES92 = 67
CES18 = 55	CES43 = 68	CES68 = 69	CES93 = 81
CES19 = 71	CES44 = 98	CES69 = 80	CES94 = 56
CES20 = 64	CES45 = 78	CES70 = 56	CES95 = 71
CES21 = 85	CES46 = 77	CES71 = 53	CES96 = 77
CES22 = 77	CES47 = 73	CES72 = 84	CES97 = 82
CES23 = 91	CES48 = 65	CES73 = 46	CES98 = 71
CES24 = 90	CES49 = 76	CES74 = 94	CES99 = 59
CES25 = 71	CES50 = 85	CES75 = 49	



REPORT NUMBER: SP1-2407-184-6

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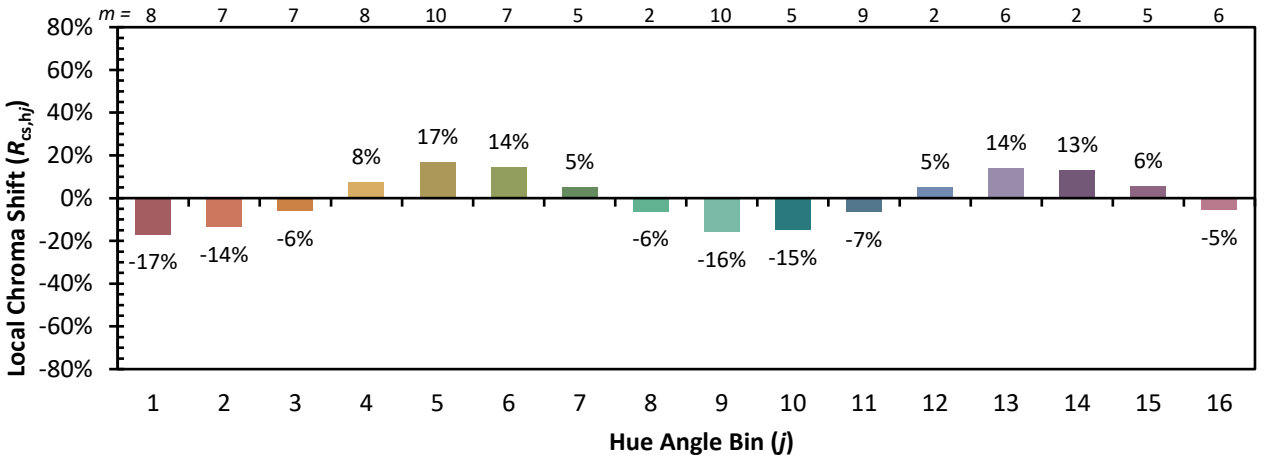
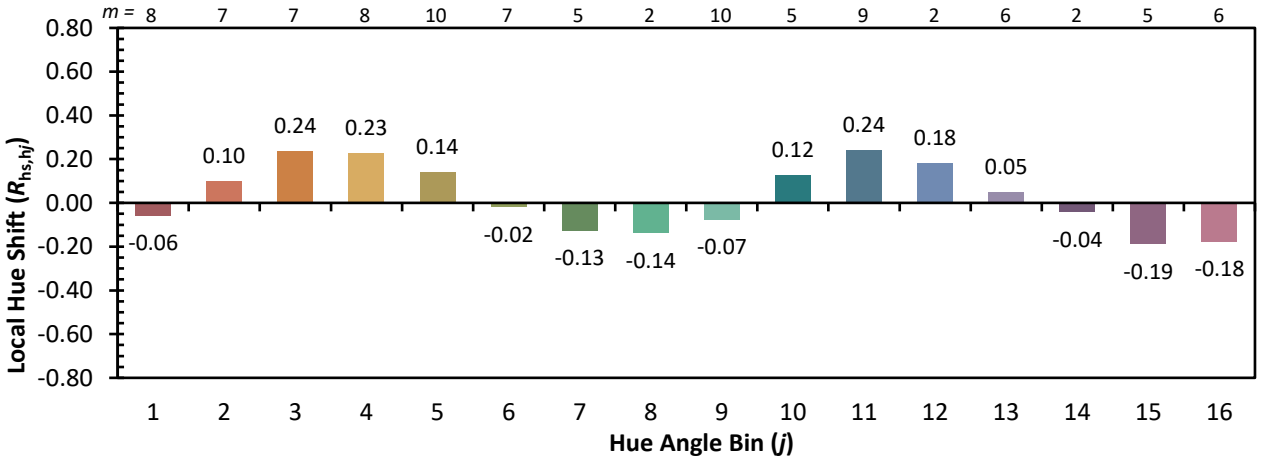
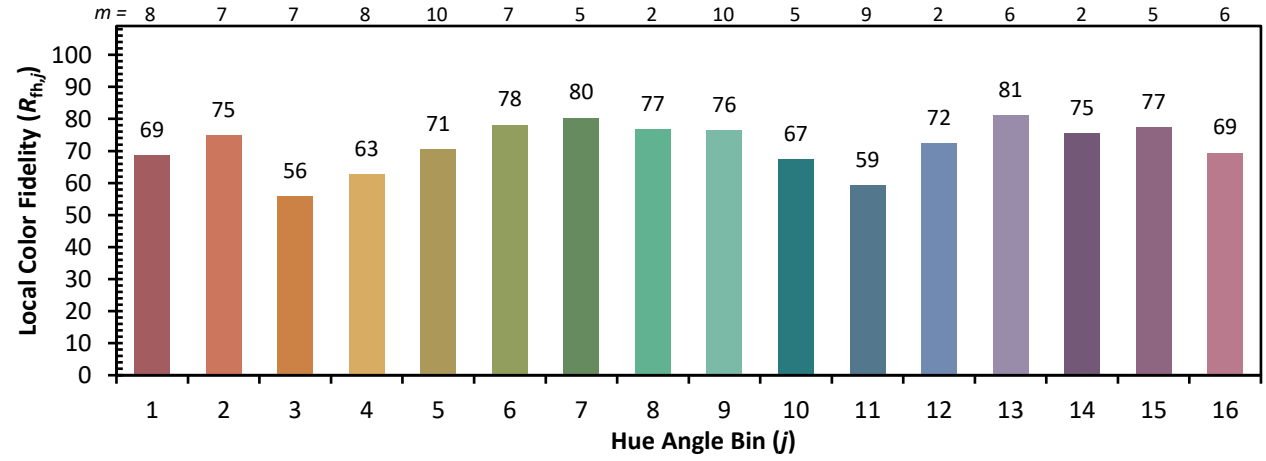
Color Rendition by Hue-Angle Bin







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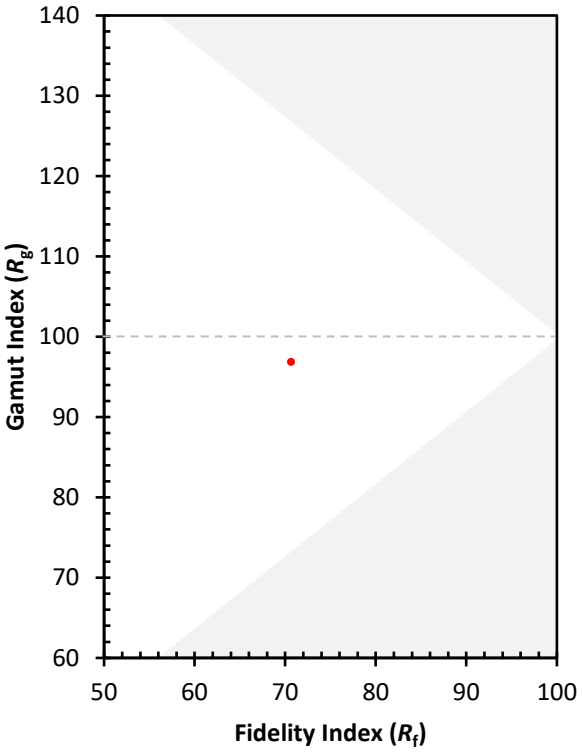
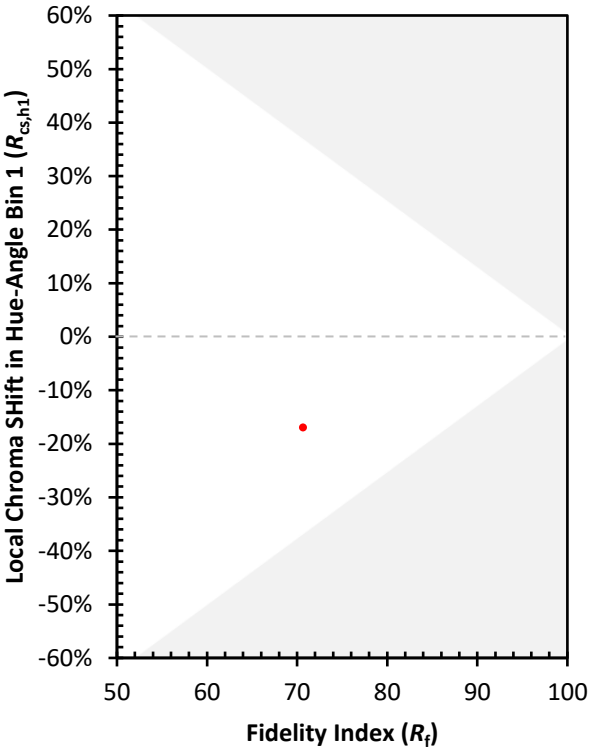
Measure Comparisons





(END OF REPORT)