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: P1057651

Luminaire Tested: **GAP-SA2B-722-U-RBC**

Issue Date: 08/07/2025

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:	P1057651
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	08/07/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	GAP-SA2B-722-U-RBC
Description:	GALLEON PEDESTRAIAN COMPANION 800mA 2xLight Square PACKAGE 70CRI 2200K FIXTURE w/ RIGHT CORNER BACKLIGHT CONTROL
Light Source:	(28) 2200K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	5722.8 lumens
Efficiency:	N/A
Efficacy:	79.3 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

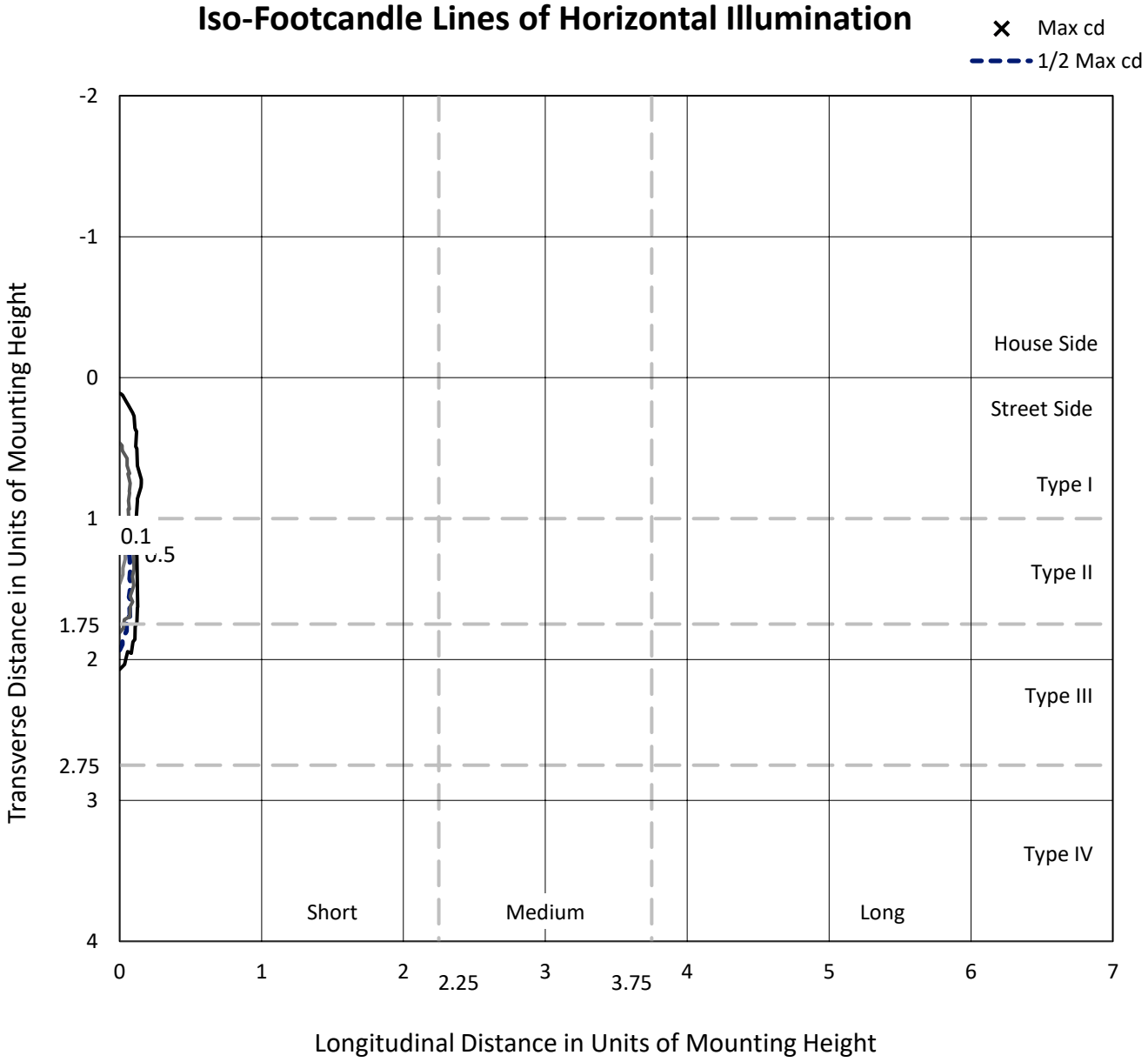
Input Watts (W):	72.2
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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

Scaled Data Report

REPORT NUMBER: P1057651
CATALOG NUMBER: GAP-SA2B-722-U-RBC

Iso-Footcandle Lines of Horizontal Illumination



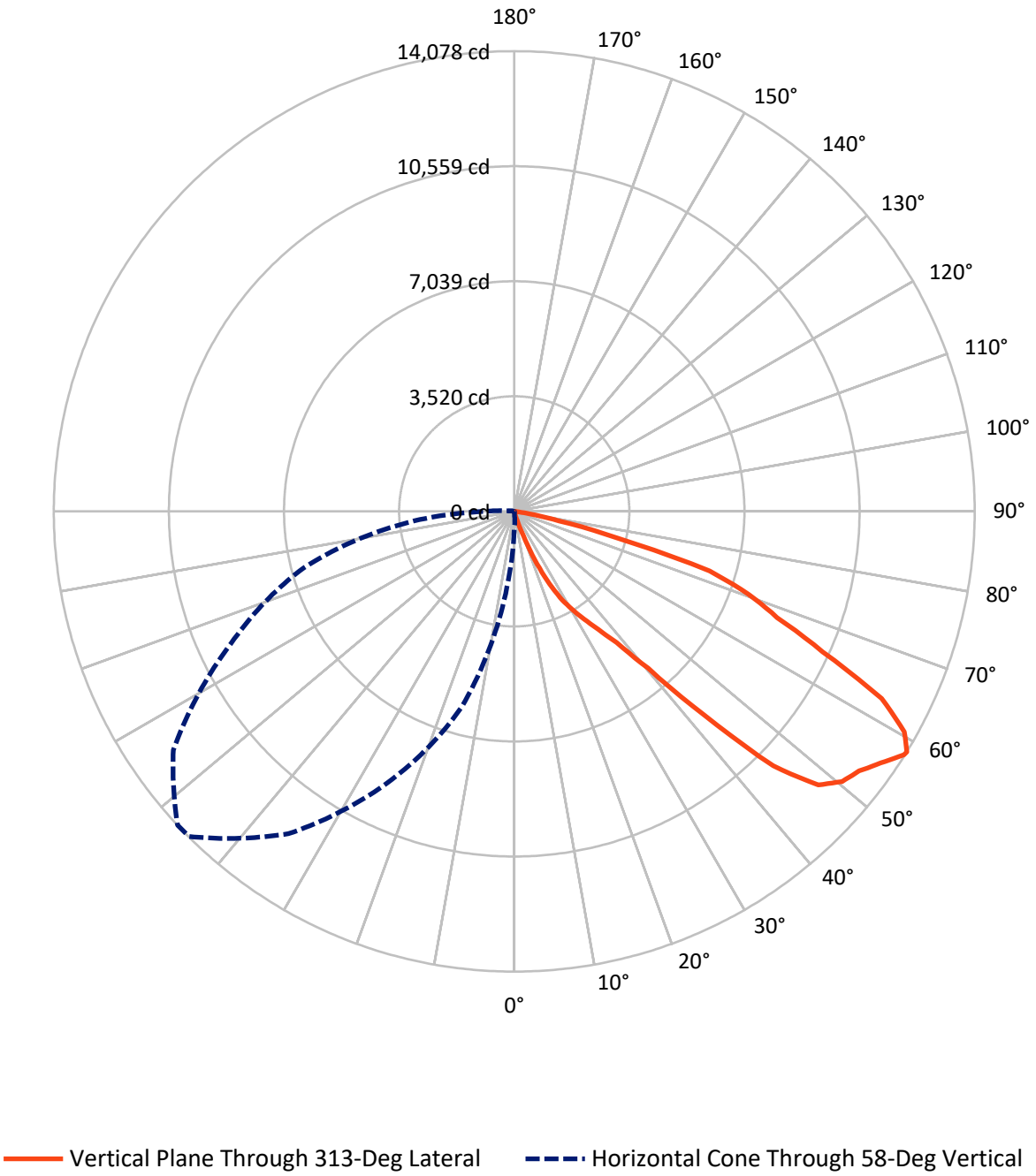
Based on 15 foot mounting height. Maximum calculated value = 0.7 fc
Type III - Short - N/A

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

Scaled Data Report

REPORT NUMBER: P1057651
CATALOG NUMBER: GAP-SA2B-722-U-RBC

Luminous Intensity Polar Plot



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

Scaled Data Report

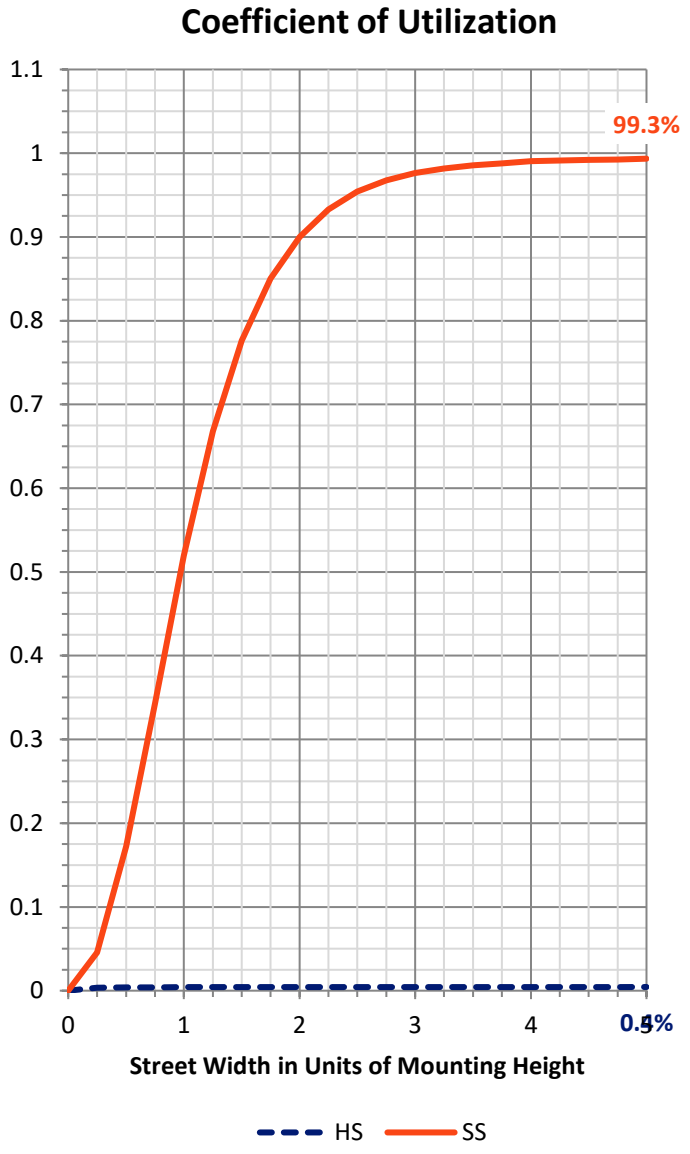
REPORT NUMBER: P1057651
CATALOG NUMBER: GAP-SA2B-722-U-RBC

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	25.6	0.0	25.6
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	5697.2	0.0	5697.2
	% Fixture	99.6	0.0	99.6
Total	Lumens	5722.8	0.0	5722.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.8	0.0
10°-20°	10.0	0.2
20°-30°	144.5	2.5
30°-40°	415.5	7.3
40°-50°	1183.5	20.7
50°-60°	1861.6	32.5
60°-70°	1587.6	27.7
70°-80°	506.4	8.8
80°-90°	12.9	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°	5722.8	100.0
0°-180°	5722.8	100.0



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

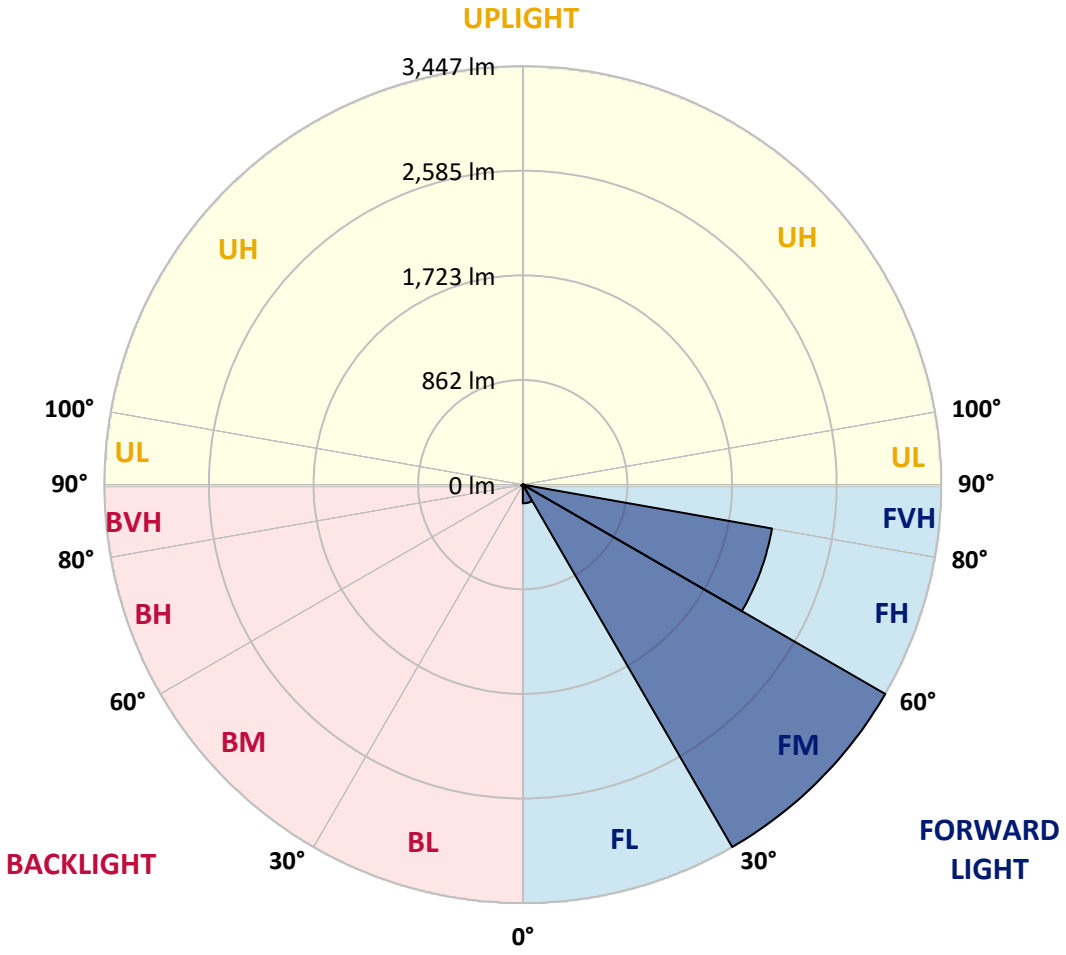
Scaled Data Report

REPORT NUMBER: P1057651
CATALOG NUMBER: GAP-SA2B-722-U-RBC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	154.3	2.7			
FM	(30°-60°)	3446.9	60.2			
FH	(60°-80°)	2083.8	36.4			G2/5000
FVH	(80°-90°)	12.2	0.2			G1/100
BL	(0°-30°)	1.0	0.0	B0/110		
BM	(30°-60°)	13.7	0.2	B0/220		
BH	(60°-80°)	10.2	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



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

Scaled Data Report

REPORT NUMBER: P1057651
CATALOG NUMBER: GAP-SA2B-722-U-RBC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
2.5°	20.6	21.8	22.9	21.8	19.5	14.9	14.9	11.5	8.0	4.6	3.4
5°	22.9	22.9	22.9	21.8	19.5	14.9	13.7	10.3	6.9	4.6	2.3
7.5°	25.2	25.2	24.1	21.8	18.3	14.9	13.7	10.3	6.9	3.4	0.0
10°	27.5	27.5	25.2	22.9	18.3	13.7	12.6	9.2	5.7	2.3	0.0
12.5°	30.9	29.8	26.3	22.9	18.3	12.6	12.6	9.2	4.6	1.1	0.0
15°	35.5	32.1	27.5	22.9	17.2	12.6	11.5	8.0	3.4	0.0	0.0
17.5°	38.9	35.5	28.6	21.8	16.0	11.5	10.3	6.9	3.4	0.0	0.0
20°	42.4	36.6	28.6	21.8	16.0	10.3	9.2	5.7	1.1	0.0	0.0
22.5°	48.1	38.9	28.6	21.8	14.9	9.2	8.0	4.6	0.0	0.0	0.0
25°	59.6	41.2	28.6	20.6	13.7	8.0	6.9	2.3	0.0	0.0	0.0
27.5°	73.3	44.7	28.6	19.5	12.6	6.9	5.7	1.1	0.0	0.0	0.0
30°	88.2	48.1	28.6	19.5	11.5	5.7	4.6	0.0	0.0	0.0	0.0
32.5°	104.2	52.7	28.6	18.3	10.3	4.6	3.4	0.0	0.0	0.0	0.0
35°	134.0	59.6	28.6	18.3	9.2	3.4	2.3	0.0	0.0	0.0	0.0
37.5°	147.7	68.7	28.6	17.2	9.2	2.3	1.1	0.0	0.0	0.0	0.0
40°	153.5	66.4	27.5	17.2	8.0	1.1	0.0	0.0	0.0	0.0	0.0
42.5°	166.1	61.8	28.6	16.0	8.0	1.1	0.0	0.0	0.0	0.0	0.0
45°	202.7	61.8	30.9	16.0	6.9	2.3	0.0	0.0	0.0	0.0	0.0
47.5°	351.6	64.1	29.8	16.0	6.9	2.3	0.0	0.0	0.0	0.0	0.0
50°	578.4	75.6	28.6	17.2	8.0	1.1	0.0	0.0	0.0	0.0	0.0
52.5°	671.1	91.6	28.6	18.3	10.3	0.0	0.0	0.0	0.0	0.0	0.0
55°	643.7	112.2	28.6	19.5	12.6	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	585.2	106.5	30.9	22.9	16.0	0.0	0.0	0.0	0.0	0.0	0.0
58°	*563.5*	*106.5*	*30.9*	*22.9*	*16.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*
60°	442.1	108.8	35.5	25.2	17.2	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	328.7	111.1	40.1	28.6	17.2	1.1	0.0	0.0	0.0	0.0	0.0
65°	243.9	115.7	42.4	33.2	16.0	2.3	0.0	0.0	0.0	0.0	0.0
67.5°	194.7	119.1	45.8	36.6	18.3	4.6	1.1	0.0	0.0	0.0	0.0
70°	167.2	114.5	49.2	37.8	17.2	6.9	3.4	0.0	0.0	0.0	0.0
72.5°	148.9	107.7	56.1	36.6	18.3	6.9	3.4	0.0	0.0	0.0	0.0
75°	134.0	98.5	64.1	35.5	18.3	6.9	4.6	0.0	0.0	0.0	0.0
77.5°	100.8	85.9	63.0	34.4	17.2	6.9	4.6	0.0	0.0	0.0	0.0
80°	50.4	57.3	55.0	30.9	13.7	5.7	4.6	1.1	0.0	0.0	0.0
82.5°	20.6	21.8	27.5	22.9	11.5	4.6	4.6	1.1	0.0	0.0	0.0
85°	2.3	4.6	8.0	9.2	8.0	4.6	4.6	1.1	0.0	0.0	0.0
87.5°	0.0	1.1	4.6	6.9	5.7	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

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

Scaled Data Report

REPORT NUMBER: P1057651
CATALOG NUMBER: GAP-SA2B-722-U-RBC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
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

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

Scaled Data Report

REPORT NUMBER: P1057651
CATALOG NUMBER: GAP-SA2B-722-U-RBC

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
2.5°	1.1	2.3	2.3	2.3	3.4	3.4	4.6	5.7	5.7	5.7	6.9
5°	0.0	0.0	1.1	1.1	2.3	3.4	4.6	6.9	8.0	8.0	9.2
7.5°	0.0	0.0	0.0	1.1	2.3	3.4	4.6	6.9	9.2	10.3	11.5
10°	0.0	0.0	0.0	0.0	1.1	2.3	4.6	8.0	11.5	13.7	16.0
12.5°	0.0	0.0	0.0	0.0	0.0	1.1	4.6	9.2	13.7	17.2	19.5
15°	0.0	0.0	0.0	0.0	0.0	1.1	4.6	9.2	17.2	20.6	25.2
17.5°	0.0	0.0	0.0	0.0	0.0	0.0	4.6	10.3	19.5	25.2	34.4
20°	0.0	0.0	0.0	0.0	0.0	0.0	3.4	10.3	21.8	30.9	51.5
22.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.4	10.3	24.1	40.1	95.1
25°	0.0	0.0	0.0	0.0	0.0	0.0	2.3	10.3	27.5	59.6	158.1
27.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.3	11.5	33.2	83.6	231.4
30°	0.0	0.0	0.0	0.0	0.0	0.0	2.3	11.5	41.2	113.4	323.0
32.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.1	11.5	48.1	143.2	439.8
35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.3	57.3	190.1	552.0
37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.3	71.0	209.6	647.1
40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.2	67.6	227.9	755.9
42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.3	61.8	254.3	926.5
45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.3	61.8	336.7	1304.5
47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.2	75.6	524.5	1994.0
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.9	97.4	805.1	2839.2
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7	118.0	990.7	3329.4
55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7	142.0	991.8	3313.4
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.9	158.1	887.6	2990.4
58°	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*8.0*	*156.9*	*859.0*	*2901.1*
60°	0.0	0.0	0.0	0.0	0.0	0.0	1.1	11.5	137.4	745.6	2532.3
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	4.6	18.3	120.3	534.9	2099.3
65°	0.0	0.0	0.0	0.0	0.0	0.0	9.2	20.6	109.9	388.3	1575.9
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	11.5	24.1	105.4	274.9	1096.1
70°	0.0	0.0	0.0	0.0	0.0	0.0	13.7	27.5	97.4	197.0	721.5
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	13.7	34.4	91.6	154.6	435.2
75°	0.0	0.0	0.0	0.0	0.0	0.0	13.7	43.5	80.2	126.0	233.6
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	13.7	47.0	66.4	91.6	142.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	12.6	42.4	48.1	40.1	48.1
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	6.9	25.2	10.3	10.3	16.0
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

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

Scaled Data Report

REPORT NUMBER: P1057651
CATALOG NUMBER: GAP-SA2B-722-U-RBC

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	313°	315°	325°	335°	345°	355°	360°
0°	8.0	8.0	8.0	*8.0*	8.0	8.0	8.0	8.0	8.0	8.0
2.5°	8.0	8.0	8.0	*8.0*	9.2	9.2	12.6	16.0	19.5	20.6
5°	10.3	11.5	12.6	*12.6*	12.6	13.7	16.0	18.3	21.8	22.9
7.5°	14.9	16.0	18.3	*18.3*	18.3	19.5	20.6	22.9	25.2	25.2
10°	19.5	22.9	24.1	*25.2*	26.3	26.3	26.3	27.5	28.6	27.5
12.5°	26.3	30.9	36.6	*37.8*	37.8	37.8	36.6	34.4	32.1	30.9
15°	36.6	50.4	68.7	*75.6*	72.2	64.1	56.1	43.5	37.8	35.5
17.5°	67.6	137.4	249.7	*276.0*	270.3	232.5	136.3	66.4	44.7	38.9
20°	182.1	444.4	733.0	*802.9*	839.5	695.2	402.0	154.6	55.0	42.4
22.5°	392.8	923.1	1430.5	*1611.4*	1622.9	1305.6	782.2	313.8	79.0	48.1
25°	632.2	1476.3	2168.1	*2343.3*	2346.7	2012.3	1250.7	508.5	120.3	59.6
27.5°	968.9	2069.6	2843.8	*2989.2*	2986.9	2647.9	1807.3	776.5	168.4	73.3
30°	1313.7	2532.3	3289.3	*3470.3*	3487.4	3082.0	2272.3	1093.8	219.9	88.2
32.5°	1655.0	2874.7	3695.9	*3936.4*	3921.5	3465.7	2596.4	1353.7	308.1	104.2
35°	1924.1	3166.8	4146.0	*4441.5*	4452.9	3887.2	2883.9	1605.7	383.7	134.0
37.5°	2154.3	3543.6	4745.0	*5086.3*	5101.2	4411.7	3185.1	1853.1	449.0	147.7
40°	2438.3	4162.0	5736.8	*6316.3*	6318.6	5389.8	3726.8	2130.3	537.1	153.5
42.5°	3076.3	5487.1	7674.7	*8507.3*	8579.5	7419.3	4958.0	2731.5	675.7	166.1
45°	4352.2	7233.7	10146.2	*11104.9*	11196.5	9944.7	7068.8	4119.7	980.4	202.7
47.5°	5869.7	8752.4	11582.4	*12505.6*	12566.3	11139.2	8482.1	5725.4	1668.7	351.6
50°	6803.1	9314.7	12110.4	*12991.2*	13001.5	11532.1	8925.3	6559.1	2377.6	578.4
52.5°	7092.9	9386.9	12131.0	*13196.2*	13226.0	11486.2	8986.0	6727.5	2673.1	671.1
55°	6974.9	9344.5	12348.7	*13587.9*	13619.9	11672.9	8944.8	6543.1	2534.6	643.7
57.5°	6705.7	9509.4	12706.0	*14052.9*	14052.9	12017.7	9097.1	6233.9	2195.5	585.2
58°	*6665.7*	*9550.7*	*12725.5*	*14078.1*	*14067.8*	*12039.4*	*9160.1*	*6189.2*	*2121.1*	*563.5*
60°	6610.7	9677.8	12581.1	*13705.8*	13676.1	11886.0	9274.7	6149.1	1760.3	442.1
62.5°	6530.5	9391.5	11529.8	*12610.9*	12534.2	10810.5	8946.0	5914.3	1313.7	328.7
65°	6119.4	8334.4	9611.4	*10360.4*	10336.4	8893.3	7699.9	5298.2	946.0	243.9
67.5°	5158.4	6524.8	7764.0	*8666.5*	8672.2	7260.1	6022.0	4234.2	643.7	194.7
70°	3628.3	4812.6	6600.4	*7604.8*	7650.6	6089.6	4461.0	2822.0	424.9	167.2
72.5°	2166.9	3635.2	5488.3	*6251.1*	6227.0	5053.1	3309.9	1682.4	258.8	148.9
75°	1050.2	2172.6	2773.9	*3217.2*	3198.8	2527.7	1763.8	824.6	189.0	134.0
77.5°	285.2	667.7	1074.3	*1397.3*	1435.1	1012.4	578.4	221.0	118.0	100.8
80°	96.2	206.2	350.5	*476.4*	489.0	437.5	217.6	77.9	51.5	50.4
82.5°	36.6	50.4	64.1	*57.3*	57.3	59.6	47.0	33.2	24.1	20.6
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: SP1-2407-184-2

Test Date: 10/09/2024

Luminaire Tested: GSS-SB1A-722-U-5WQ

Data in this report applies to families of products including GSS-SB1A-722-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

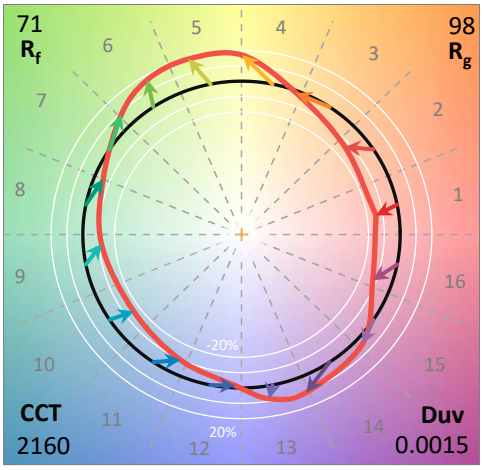
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-2
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-722-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 2200K CCT 26 LEDS

Spectral Parameters

CCT (K):	2160
CIE u':	0.2927
CIE v':	0.5388
Duv:	0.0015
CIE x:	0.5130
CIE y:	0.4197
CIE z:	0.0674
Peak Wavelength (nm):	609
Dominant Wavelength (nm):	587
Purity:	79.96089
Rf:	70.6
Rg:	97.6

CRI (Ra):	71.9
R1:	68.7
R2:	82.6
R3:	95.5
R4:	66.4
R5:	65.4
R6:	75.9
R7:	77.2
R8:	43.5
R9:	-17.8
R10:	60.5
R11:	60.2
R12:	48.2
R13:	70.7
R14:	96.8
R15:	61.8



Test Conditions

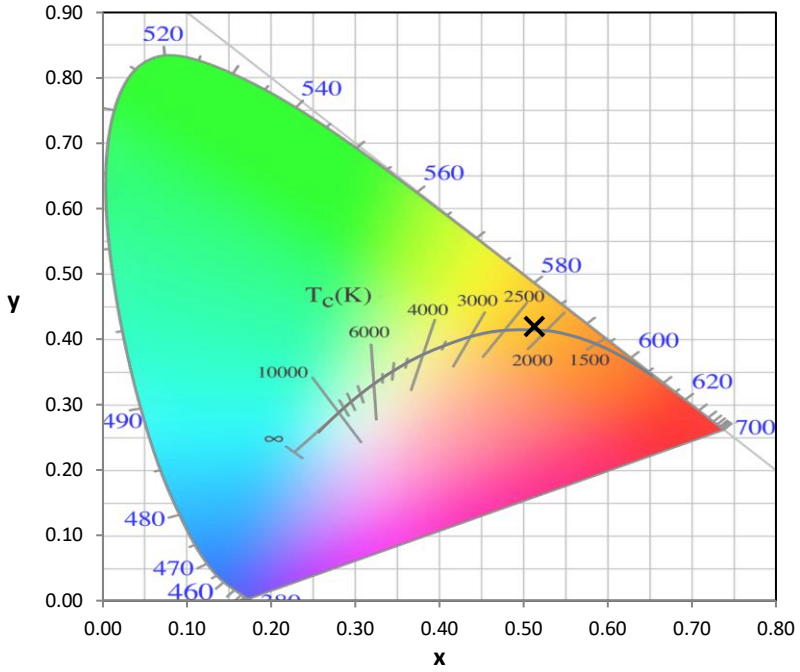
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-2

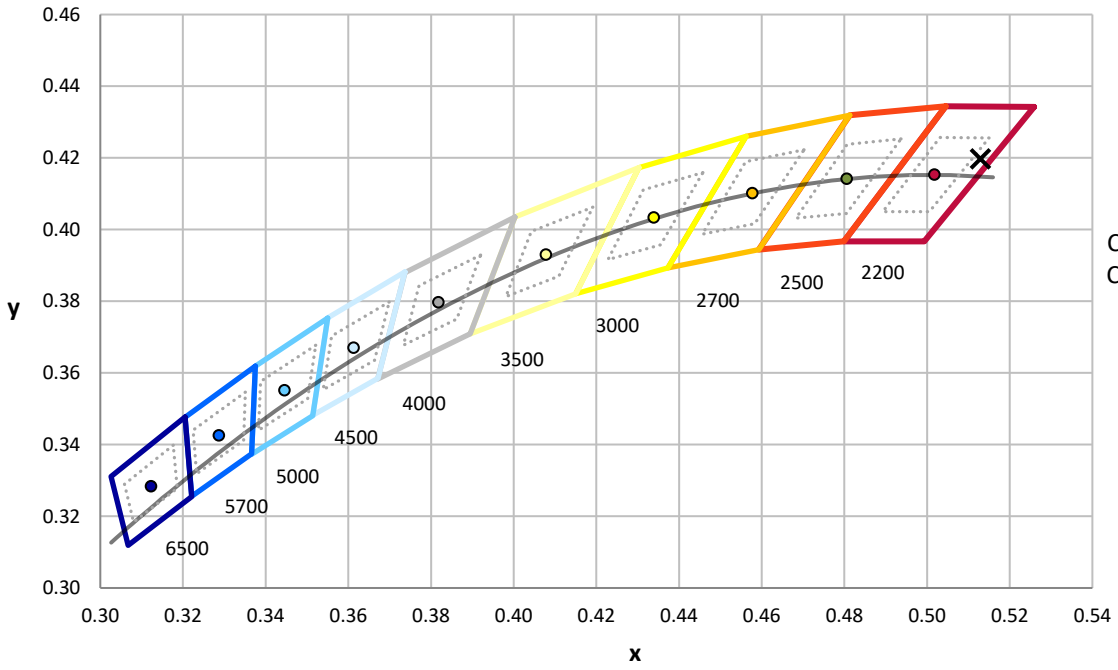
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-2

CIE 1931 Chromaticity Diagram



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

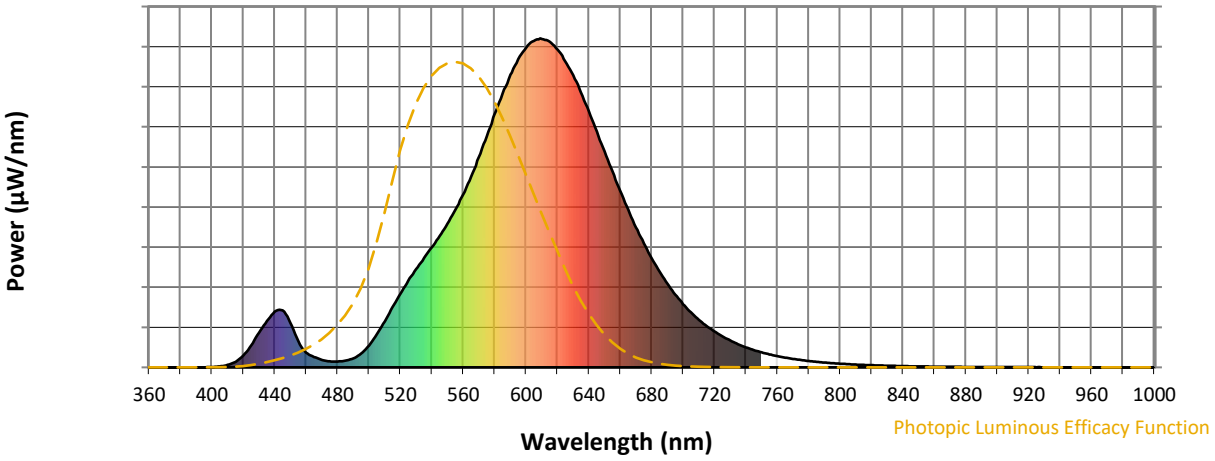


CCT = 2160K
CIE x = 0.5130
CIE y = 0.4197
Duv = 0.0015

Point lies inside the ANSI 2200K 7-step quadrangle

REPORT NUMBER: SP1-2407-184-2

Photopic Flux vs. Wavelength

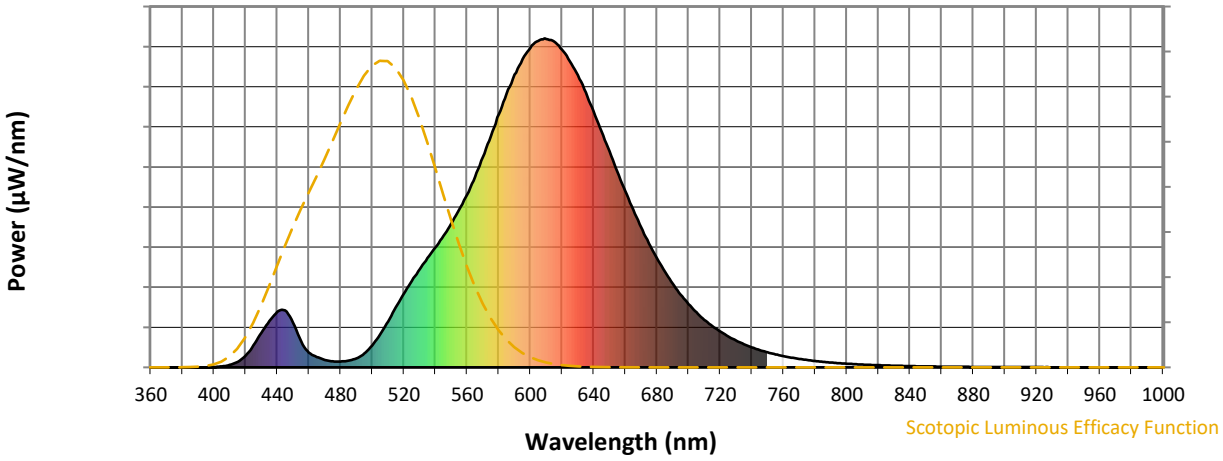


Photopic Lumens: NR

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	27	NR	620	966	NR	750	46	NR	880	1	NR
365	0	NR	495	42	NR	625	930	NR	755	39	NR	885	1	NR
370	0	NR	500	67	NR	630	888	NR	760	34	NR	890	1	NR
375	0	NR	505	101	NR	635	835	NR	765	30	NR	895	1	NR
380	0	NR	510	139	NR	640	778	NR	770	26	NR	900	1	NR
385	0	NR	515	183	NR	645	717	NR	775	22	NR	905	1	NR
390	0	NR	520	224	NR	650	656	NR	780	19	NR	910	1	NR
395	0	NR	525	262	NR	655	595	NR	785	17	NR	915	1	NR
400	1	NR	530	299	NR	660	536	NR	790	15	NR	920	1	NR
405	3	NR	535	332	NR	665	480	NR	795	13	NR	925	1	NR
410	7	NR	540	365	NR	670	425	NR	800	11	NR	930	1	NR
415	17	NR	545	400	NR	675	376	NR	805	10	NR	935	0	NR
420	36	NR	550	437	NR	680	332	NR	810	8	NR	940	0	NR
425	67	NR	555	479	NR	685	291	NR	815	8	NR	945	0	NR
430	105	NR	560	525	NR	690	255	NR	820	7	NR	950	0	NR
435	141	NR	565	579	NR	695	221	NR	825	6	NR	955	0	NR
440	169	NR	570	639	NR	700	192	NR	830	5	NR	960	0	NR
445	173	NR	575	703	NR	705	167	NR	835	4	NR	965	0	NR
450	136	NR	580	769	NR	710	144	NR	840	4	NR	970	0	NR
455	80	NR	585	832	NR	715	125	NR	845	3	NR	975	0	NR
460	45	NR	590	890	NR	720	109	NR	850	3	NR	980	0	NR
465	32	NR	595	937	NR	725	94	NR	855	3	NR	985	0	NR
470	23	NR	600	972	NR	730	81	NR	860	2	NR	990	0	NR
475	18	NR	605	992	NR	735	70	NR	865	2	NR	995	0	NR
480	18	NR	610	998	NR	740	61	NR	870	2	NR	1000	0	NR
485	20	NR	615	990	NR	745	53	NR	875	2	NR			

REPORT NUMBER: SP1-2407-184-2

Scotopic Flux vs. Wavelength

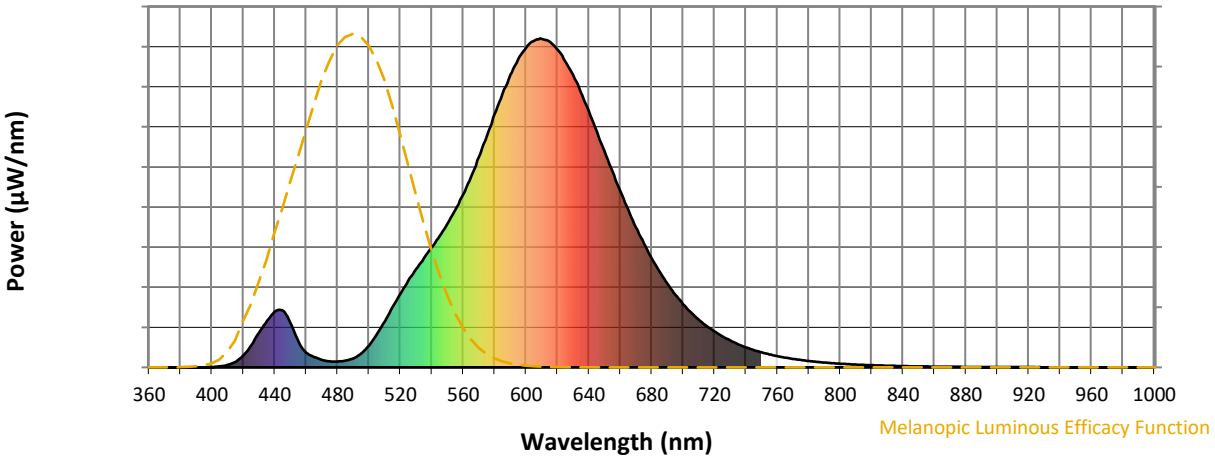


Scotopic Lumens: NR **S/P: 0.8**

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	27	NR	620	966	NR	750	46	NR	880	1	NR
365	0	NR	495	42	NR	625	930	NR	755	39	NR	885	1	NR
370	0	NR	500	67	NR	630	888	NR	760	34	NR	890	1	NR
375	0	NR	505	101	NR	635	835	NR	765	30	NR	895	1	NR
380	0	NR	510	139	NR	640	778	NR	770	26	NR	900	1	NR
385	0	NR	515	183	NR	645	717	NR	775	22	NR	905	1	NR
390	0	NR	520	224	NR	650	656	NR	780	19	NR	910	1	NR
395	0	NR	525	262	NR	655	595	NR	785	17	NR	915	1	NR
400	1	NR	530	299	NR	660	536	NR	790	15	NR	920	1	NR
405	3	NR	535	332	NR	665	480	NR	795	13	NR	925	1	NR
410	7	NR	540	365	NR	670	425	NR	800	11	NR	930	1	NR
415	17	NR	545	400	NR	675	376	NR	805	10	NR	935	0	NR
420	36	NR	550	437	NR	680	332	NR	810	8	NR	940	0	NR
425	67	NR	555	479	NR	685	291	NR	815	8	NR	945	0	NR
430	105	NR	560	525	NR	690	255	NR	820	7	NR	950	0	NR
435	141	NR	565	579	NR	695	221	NR	825	6	NR	955	0	NR
440	169	NR	570	639	NR	700	192	NR	830	5	NR	960	0	NR
445	173	NR	575	703	NR	705	167	NR	835	4	NR	965	0	NR
450	136	NR	580	769	NR	710	144	NR	840	4	NR	970	0	NR
455	80	NR	585	832	NR	715	125	NR	845	3	NR	975	0	NR
460	45	NR	590	890	NR	720	109	NR	850	3	NR	980	0	NR
465	32	NR	595	937	NR	725	94	NR	855	3	NR	985	0	NR
470	23	NR	600	972	NR	730	81	NR	860	2	NR	990	0	NR
475	18	NR	605	992	NR	735	70	NR	865	2	NR	995	0	NR
480	18	NR	610	998	NR	740	61	NR	870	2	NR	1000	0	NR
485	20	NR	615	990	NR	745	53	NR	875	2	NR			

REPORT NUMBER: SP1-2407-184-2

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 1.21**

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	27	NR	620	966	NR	750	46	NR	880	1	NR
365	0	NR	495	42	NR	625	930	NR	755	39	NR	885	1	NR
370	0	NR	500	67	NR	630	888	NR	760	34	NR	890	1	NR
375	0	NR	505	101	NR	635	835	NR	765	30	NR	895	1	NR
380	0	NR	510	139	NR	640	778	NR	770	26	NR	900	1	NR
385	0	NR	515	183	NR	645	717	NR	775	22	NR	905	1	NR
390	0	NR	520	224	NR	650	656	NR	780	19	NR	910	1	NR
395	0	NR	525	262	NR	655	595	NR	785	17	NR	915	1	NR
400	1	NR	530	299	NR	660	536	NR	790	15	NR	920	1	NR
405	3	NR	535	332	NR	665	480	NR	795	13	NR	925	1	NR
410	7	NR	540	365	NR	670	425	NR	800	11	NR	930	1	NR
415	17	NR	545	400	NR	675	376	NR	805	10	NR	935	0	NR
420	36	NR	550	437	NR	680	332	NR	810	8	NR	940	0	NR
425	67	NR	555	479	NR	685	291	NR	815	8	NR	945	0	NR
430	105	NR	560	525	NR	690	255	NR	820	7	NR	950	0	NR
435	141	NR	565	579	NR	695	221	NR	825	6	NR	955	0	NR
440	169	NR	570	639	NR	700	192	NR	830	5	NR	960	0	NR
445	173	NR	575	703	NR	705	167	NR	835	4	NR	965	0	NR
450	136	NR	580	769	NR	710	144	NR	840	4	NR	970	0	NR
455	80	NR	585	832	NR	715	125	NR	845	3	NR	975	0	NR
460	45	NR	590	890	NR	720	109	NR	850	3	NR	980	0	NR
465	32	NR	595	937	NR	725	94	NR	855	3	NR	985	0	NR
470	23	NR	600	972	NR	730	81	NR	860	2	NR	990	0	NR
475	18	NR	605	992	NR	735	70	NR	865	2	NR	995	0	NR
480	18	NR	610	998	NR	740	61	NR	870	2	NR	1000	0	NR
485	20	NR	615	990	NR	745	53	NR	875	2	NR			

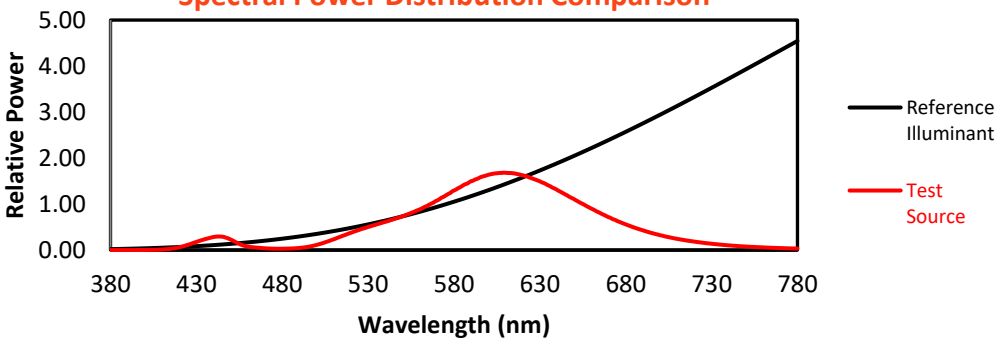
REPORT NUMBER: SP1-2407-184-2

TM-30-18

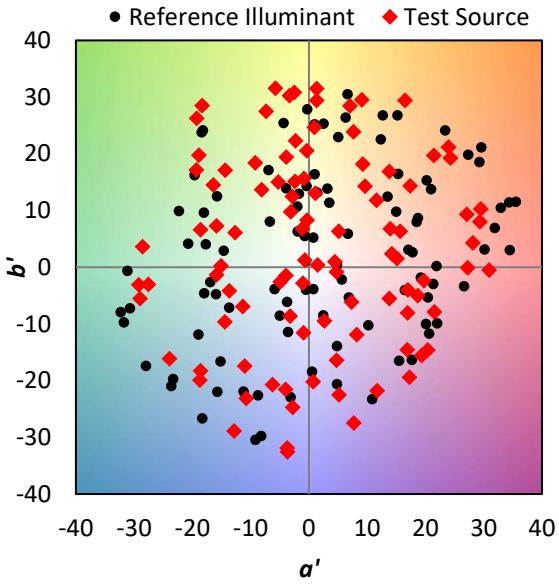
Summary

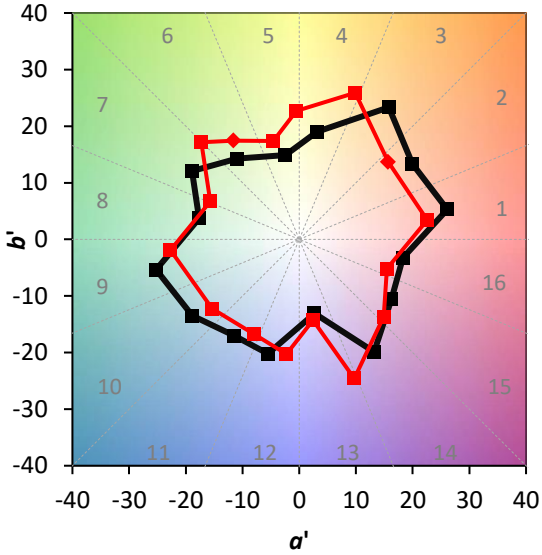
R_f = 70.6
R_g = 97.6
CIE R_a = 71.9
R_9 = -17.8

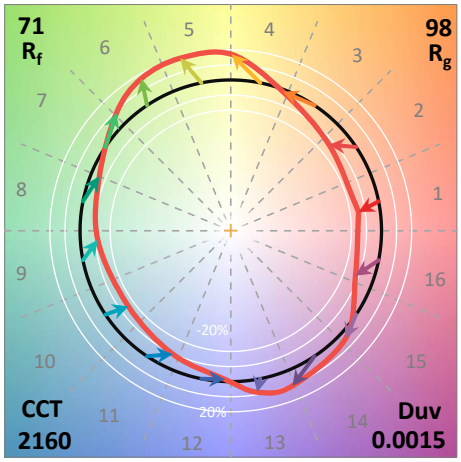
Spectral Power Distribution Comparison

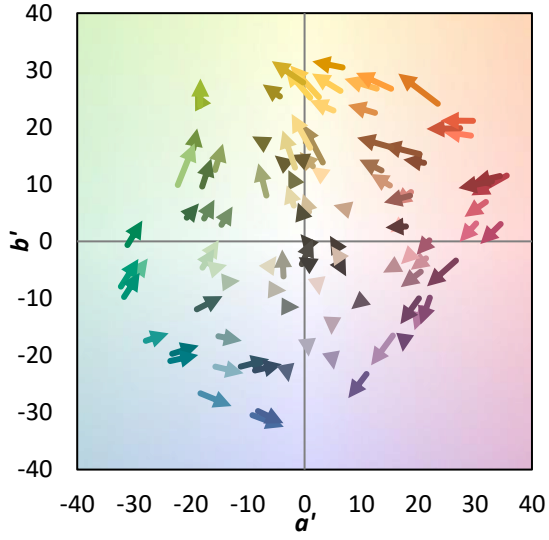


Color Vector Graphics







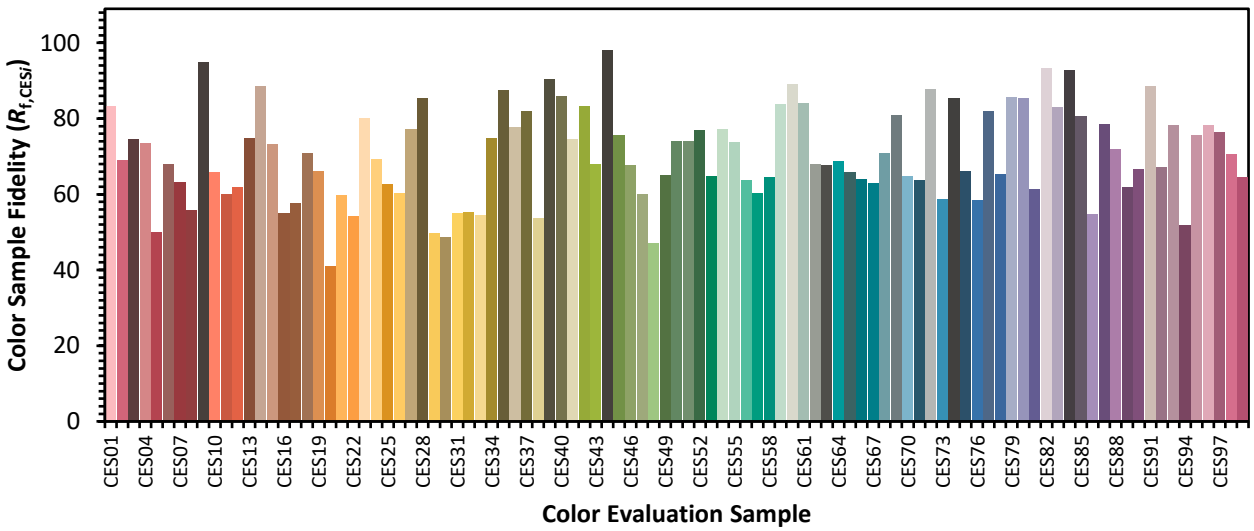


REPORT NUMBER: SP1-2407-184-2

TM-30-18

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

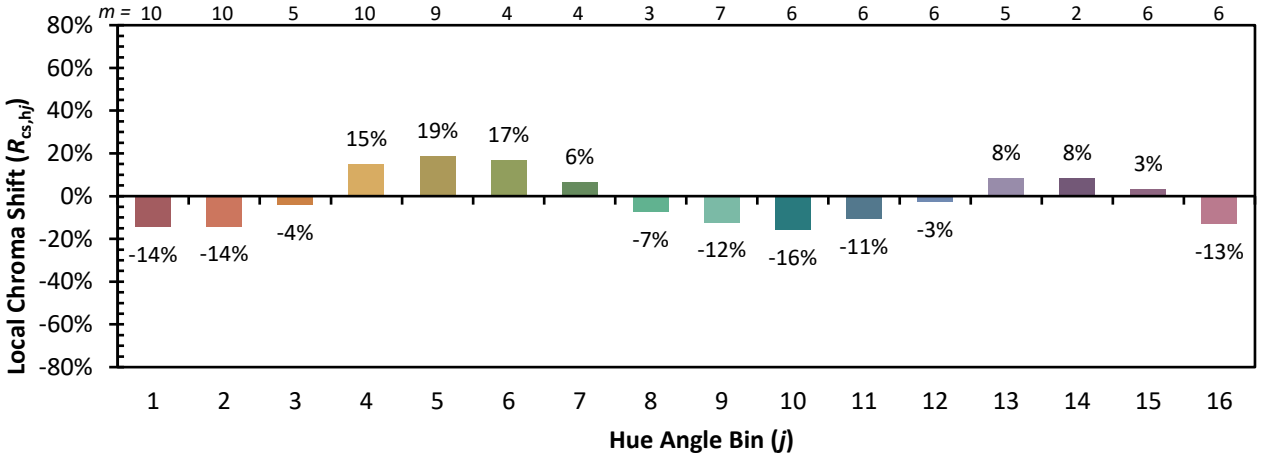
CES01 = 87	CES26 = 60	CES51 = 74	CES76 = 58
CES02 = 65	CES27 = 77	CES52 = 77	CES77 = 82
CES03 = 32	CES28 = 85	CES53 = 65	CES78 = 65
CES04 = 72	CES29 = 50	CES54 = 77	CES79 = 86
CES05 = 52	CES30 = 49	CES55 = 74	CES80 = 85
CES06 = 53	CES31 = 55	CES56 = 64	CES81 = 61
CES07 = 44	CES32 = 55	CES57 = 60	CES82 = 93
CES08 = 43	CES33 = 55	CES58 = 64	CES83 = 83
CES09 = 29	CES34 = 75	CES59 = 84	CES84 = 93
CES10 = 79	CES35 = 88	CES60 = 89	CES85 = 81
CES11 = 62	CES36 = 78	CES61 = 84	CES86 = 55
CES12 = 68	CES37 = 82	CES62 = 68	CES87 = 79
CES13 = 45	CES38 = 54	CES63 = 68	CES88 = 72
CES14 = 75	CES39 = 90	CES64 = 69	CES89 = 62
CES15 = 72	CES40 = 86	CES65 = 66	CES90 = 67
CES16 = 49	CES41 = 75	CES66 = 64	CES91 = 89
CES17 = 51	CES42 = 83	CES67 = 63	CES92 = 67
CES18 = 57	CES43 = 68	CES68 = 71	CES93 = 78
CES19 = 74	CES44 = 98	CES69 = 81	CES94 = 52
CES20 = 68	CES45 = 76	CES70 = 65	CES95 = 76
CES21 = 89	CES46 = 68	CES71 = 64	CES96 = 78
CES22 = 81	CES47 = 60	CES72 = 88	CES97 = 76
CES23 = 92	CES48 = 47	CES73 = 59	CES98 = 71
CES24 = 92	CES49 = 65	CES74 = 85	CES99 = 65
CES25 = 74	CES50 = 74	CES75 = 66	

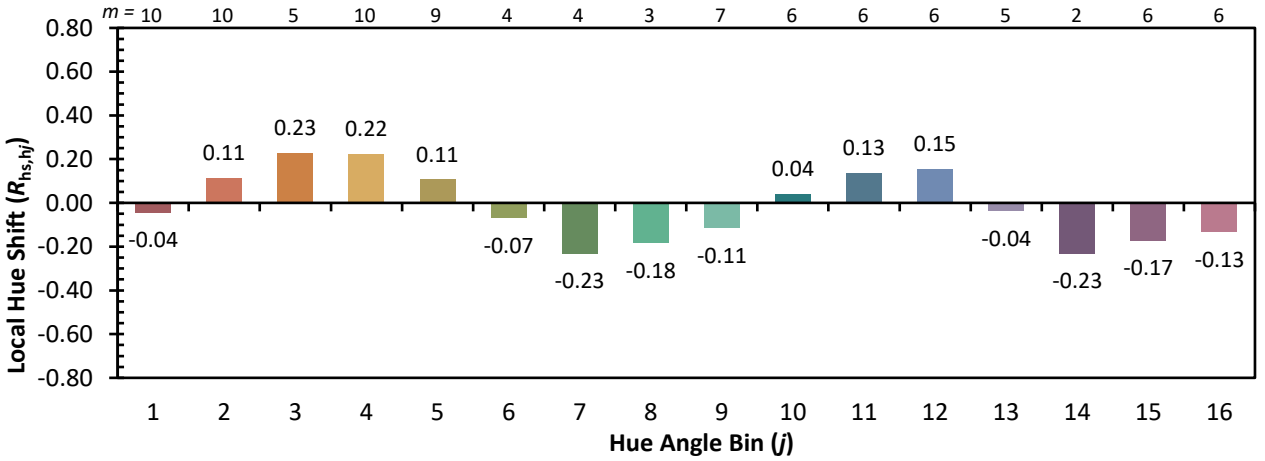


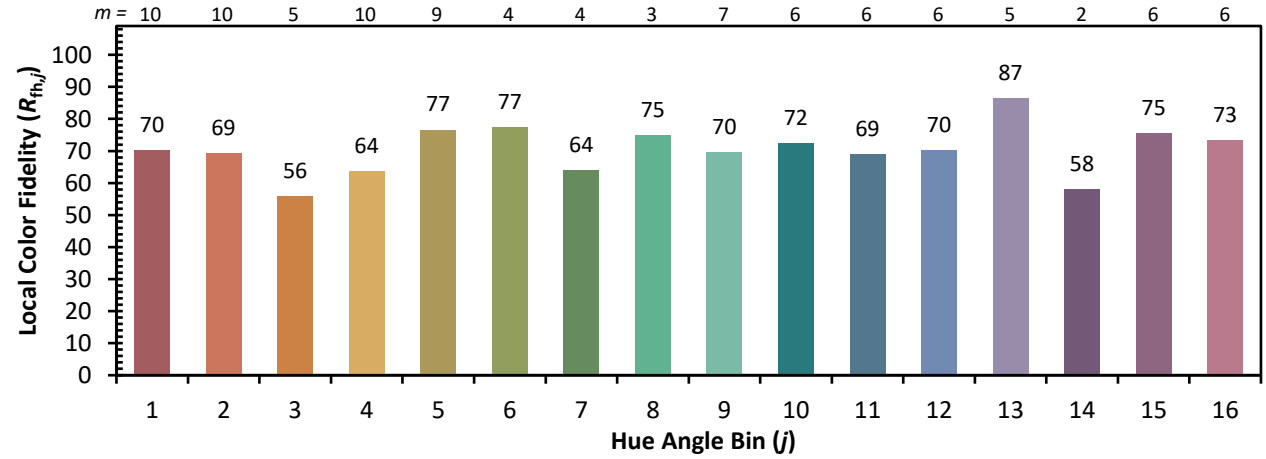
REPORT NUMBER: SP1-2407-184-2

TM-30-18

Color Rendition by Hue-Angle Bin



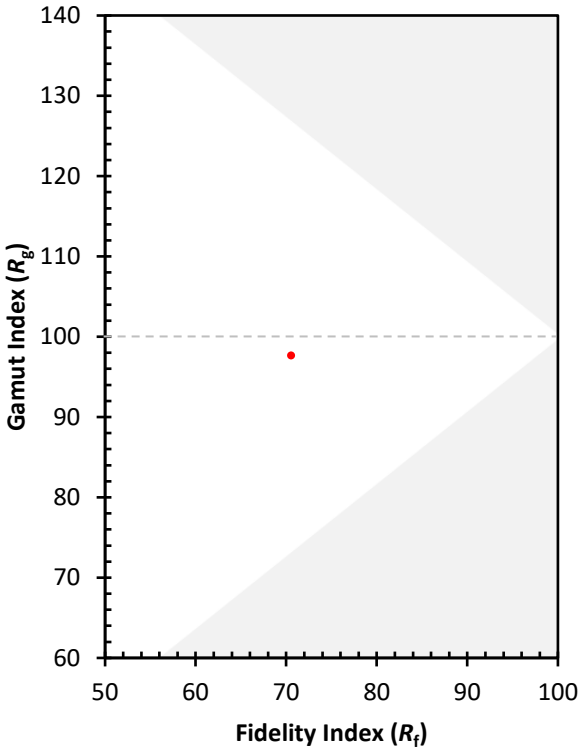


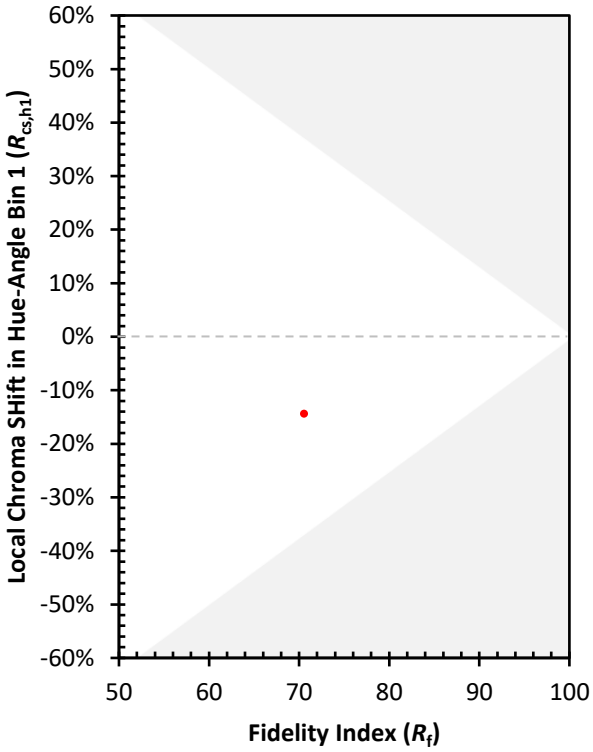


REPORT NUMBER: SP1-2407-184-2

TM-30-18

Measure Comparisons





(END OF REPORT)