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: P991268

Luminaire Tested: **GPC-SA2D-750-U-RBC**

Issue Date: 07/03/2025

Report Generated By 670245763

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:	P991268
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	07/03/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GPC-SA2D-750-U-RBC
Description:	GALLEON PEDESTRAIAN COMPANION 1200mA 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:	10862.2 lumens
Efficiency:	N/A
Efficacy:	100.4 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

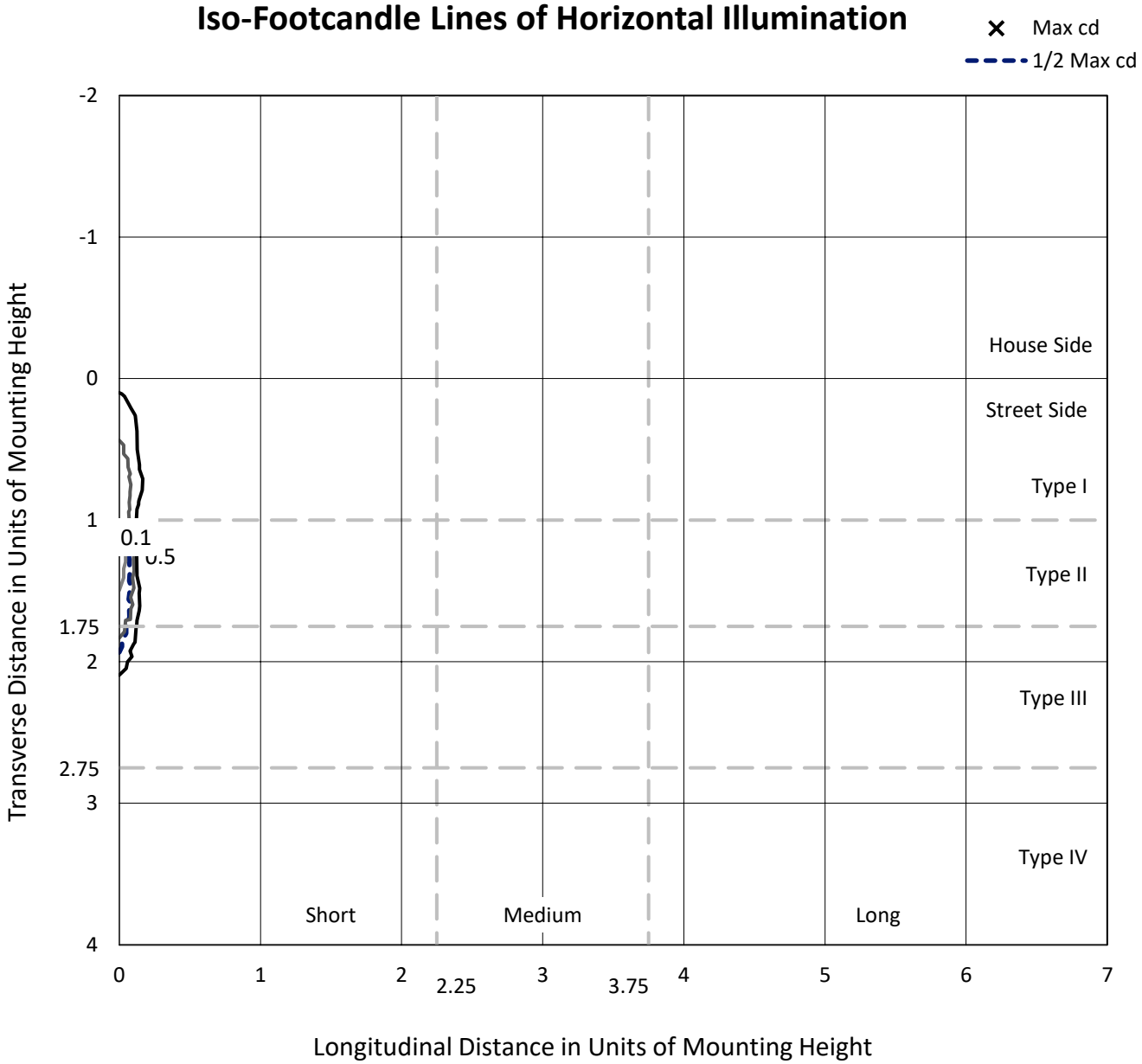
Input Watts (W):	108.2
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	24 FT

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

Scaled Data Report

REPORT NUMBER: P991268
CATALOG NUMBER: GPC-SA2D-750-U-RBC

Iso-Footcandle Lines of Horizontal Illumination



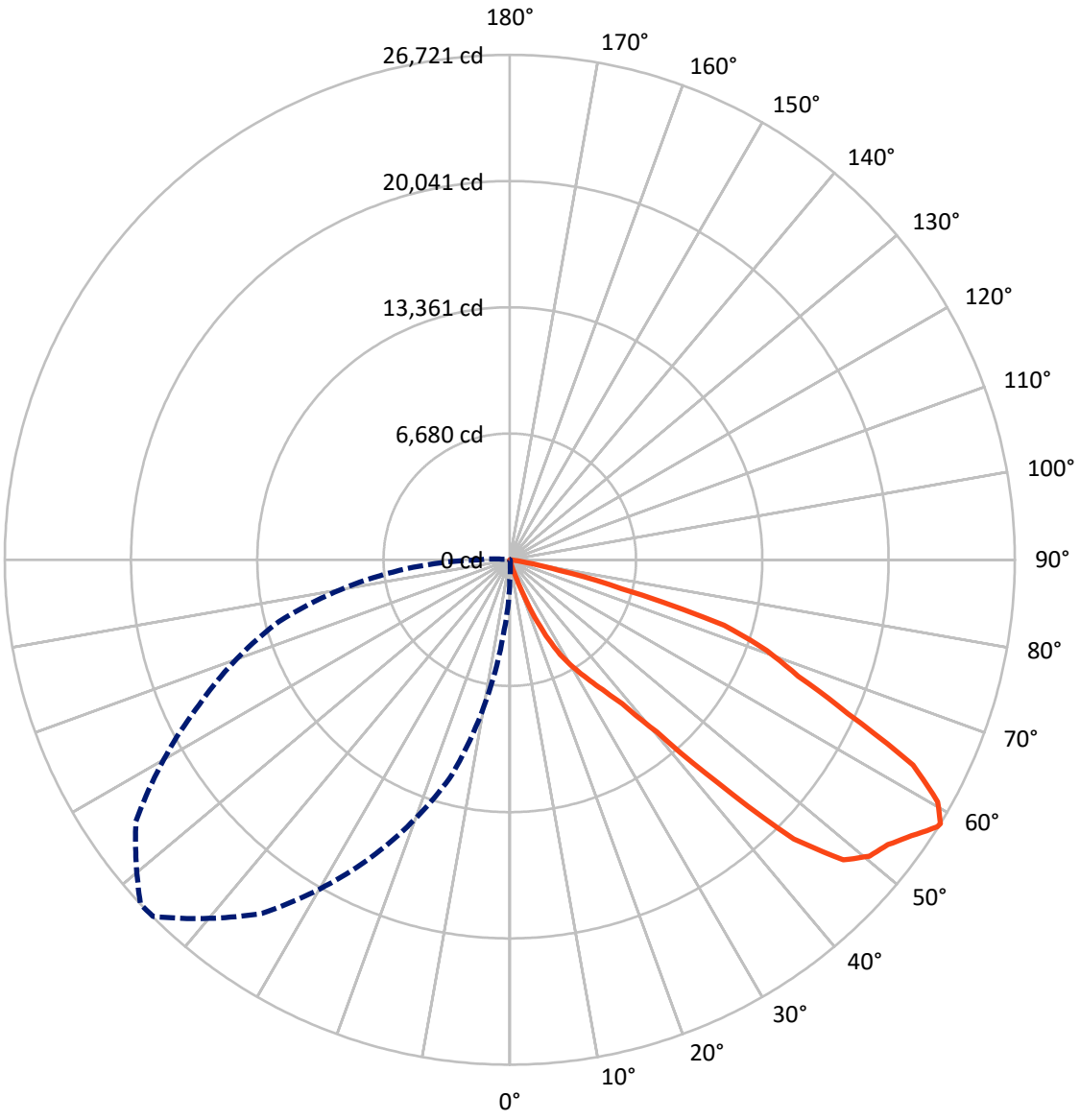
Based on 20 foot mounting height. Maximum calculated value = 0.7 fc
Type III - Short - N/A

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

Scaled Data Report

REPORT NUMBER: P991268
CATALOG NUMBER: GPC-SA2D-750-U-RBC

Luminous Intensity Polar Plot



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

Scaled Data Report

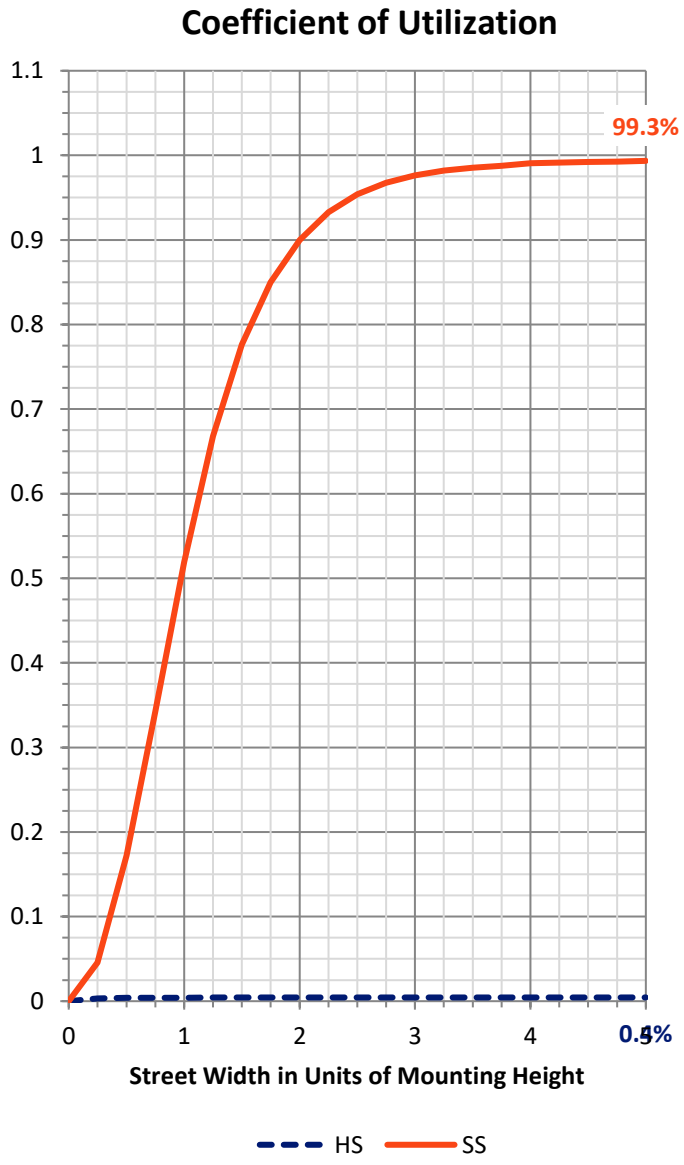
REPORT NUMBER: P991268
CATALOG NUMBER: GPC-SA2D-750-U-RBC

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	48.6	0.0	48.6
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	10813.7	0.0	10813.7
	% Fixture	99.6	0.0	99.6
Total	Lumens	10862.2	0.0	10862.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.6	0.0
10°-20°	18.9	0.2
20°-30°	274.3	2.5
30°-40°	788.6	7.3
40°-50°	2246.4	20.7
50°-60°	3533.5	32.5
60°-70°	3013.3	27.7
70°-80°	961.2	8.8
80°-90°	24.5	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°	10862.2	100.0
0°-180°	10862.2	100.0



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

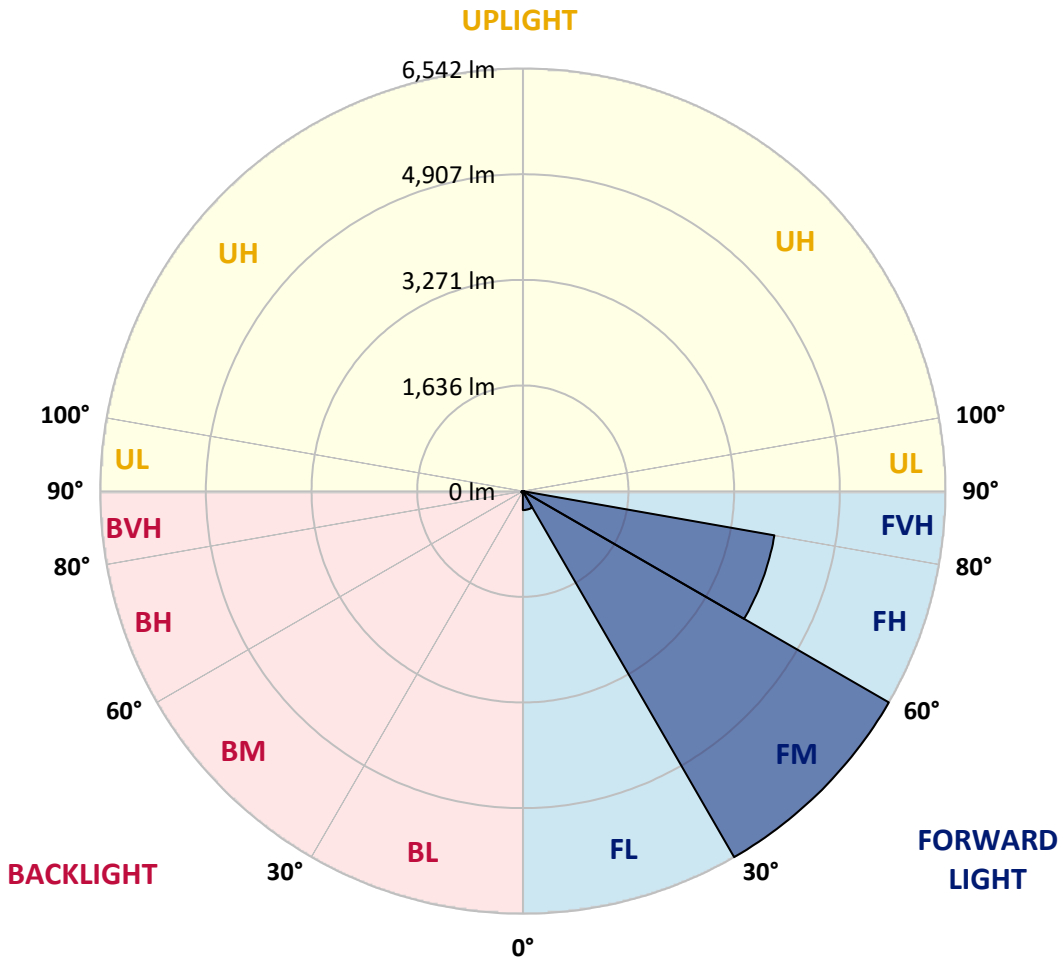
Scaled Data Report

REPORT NUMBER: P991268
CATALOG NUMBER: GPC-SA2D-750-U-RBC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	292.8	2.7			
FM	(30°-60°)	6542.5	60.2			
FH	(60°-80°)	3955.2	36.4			G2/5000
FVH	(80°-90°)	23.1	0.2			G1/100
BL	(0°-30°)	1.9	0.0	B0/110		
BM	(30°-60°)	26.0	0.2	B0/220		
BH	(60°-80°)	19.3	0.2	B0/110		G0/110
BVH	(80°-90°)	1.3	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-G2
Type III Short



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

Scaled Data Report

REPORT NUMBER: P991268
CATALOG NUMBER: GPC-SA2D-750-U-RBC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2
2.5°	39.1	41.3	43.5	41.3	37.0	28.3	28.3	21.7	15.2	8.7	6.5
5°	43.5	43.5	43.5	41.3	37.0	28.3	26.1	19.6	13.0	8.7	4.3
7.5°	47.8	47.8	45.7	41.3	34.8	28.3	26.1	19.6	13.0	6.5	0.0
10°	52.2	52.2	47.8	43.5	34.8	26.1	23.9	17.4	10.9	4.3	0.0
12.5°	58.7	56.5	50.0	43.5	34.8	23.9	23.9	17.4	8.7	2.2	0.0
15°	67.4	60.9	52.2	43.5	32.6	23.9	21.7	15.2	6.5	0.0	0.0
17.5°	73.9	67.4	54.3	41.3	30.4	21.7	19.6	13.0	6.5	0.0	0.0
20°	80.4	69.6	54.3	41.3	30.4	19.6	17.4	10.9	2.2	0.0	0.0
22.5°	91.3	73.9	54.3	41.3	28.3	17.4	15.2	8.7	0.0	0.0	0.0
25°	113.0	78.3	54.3	39.1	26.1	15.2	13.0	4.3	0.0	0.0	0.0
27.5°	139.1	84.8	54.3	37.0	23.9	13.0	10.9	2.2	0.0	0.0	0.0
30°	167.4	91.3	54.3	37.0	21.7	10.9	8.7	0.0	0.0	0.0	0.0
32.5°	197.8	100.0	54.3	34.8	19.6	8.7	6.5	0.0	0.0	0.0	0.0
35°	254.3	113.0	54.3	34.8	17.4	6.5	4.3	0.0	0.0	0.0	0.0
37.5°	280.4	130.4	54.3	32.6	17.4	4.3	2.2	0.0	0.0	0.0	0.0
40°	291.3	126.1	52.2	32.6	15.2	2.2	0.0	0.0	0.0	0.0	0.0
42.5°	315.2	117.4	54.3	30.4	15.2	2.2	0.0	0.0	0.0	0.0	0.0
45°	384.8	117.4	58.7	30.4	13.0	4.3	0.0	0.0	0.0	0.0	0.0
47.5°	667.4	121.7	56.5	30.4	13.0	4.3	0.0	0.0	0.0	0.0	0.0
50°	1097.8	143.5	54.3	32.6	15.2	2.2	0.0	0.0	0.0	0.0	0.0
52.5°	1273.9	173.9	54.3	34.8	19.6	0.0	0.0	0.0	0.0	0.0	0.0
55°	1221.7	213.0	54.3	37.0	23.9	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	1110.8	202.2	58.7	43.5	30.4	0.0	0.0	0.0	0.0	0.0	0.0
58°	*1069.5*	*202.2*	*58.7*	*43.5*	*30.4*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*
60°	839.1	206.5	67.4	47.8	32.6	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	623.9	210.9	76.1	54.3	32.6	2.2	0.0	0.0	0.0	0.0	0.0
65°	463.0	219.6	80.4	63.0	30.4	4.3	0.0	0.0	0.0	0.0	0.0
67.5°	369.6	226.1	87.0	69.6	34.8	8.7	2.2	0.0	0.0	0.0	0.0
70°	317.4	217.4	93.5	71.7	32.6	13.0	6.5	0.0	0.0	0.0	0.0
72.5°	282.6	204.3	106.5	69.6	34.8	13.0	6.5	0.0	0.0	0.0	0.0
75°	254.3	187.0	121.7	67.4	34.8	13.0	8.7	0.0	0.0	0.0	0.0
77.5°	191.3	163.0	119.6	65.2	32.6	13.0	8.7	0.0	0.0	0.0	0.0
80°	95.7	108.7	104.3	58.7	26.1	10.9	8.7	2.2	0.0	0.0	0.0
82.5°	39.1	41.3	52.2	43.5	21.7	8.7	8.7	2.2	0.0	0.0	0.0
85°	4.3	8.7	15.2	17.4	15.2	8.7	8.7	2.2	0.0	0.0	0.0
87.5°	0.0	2.2	8.7	13.0	10.9	6.5	4.3	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: P991268
CATALOG NUMBER: GPC-SA2D-750-U-RBC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2
2.5°	4.3	4.3	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
5°	2.2	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: P991268
CATALOG NUMBER: GPC-SA2D-750-U-RBC

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2
2.5°	2.2	4.3	4.3	4.3	6.5	6.5	8.7	10.9	10.9	10.9	13.0
5°	0.0	0.0	2.2	2.2	4.3	6.5	8.7	13.0	15.2	15.2	17.4
7.5°	0.0	0.0	0.0	2.2	4.3	6.5	8.7	13.0	17.4	19.6	21.7
10°	0.0	0.0	0.0	0.0	2.2	4.3	8.7	15.2	21.7	26.1	30.4
12.5°	0.0	0.0	0.0	0.0	0.0	2.2	8.7	17.4	26.1	32.6	37.0
15°	0.0	0.0	0.0	0.0	0.0	2.2	8.7	17.4	32.6	39.1	47.8
17.5°	0.0	0.0	0.0	0.0	0.0	0.0	8.7	19.6	37.0	47.8	65.2
20°	0.0	0.0	0.0	0.0	0.0	0.0	6.5	19.6	41.3	58.7	97.8
22.5°	0.0	0.0	0.0	0.0	0.0	0.0	6.5	19.6	45.7	76.1	180.4
25°	0.0	0.0	0.0	0.0	0.0	0.0	4.3	19.6	52.2	113.0	300.0
27.5°	0.0	0.0	0.0	0.0	0.0	0.0	4.3	21.7	63.0	158.7	439.1
30°	0.0	0.0	0.0	0.0	0.0	0.0	4.3	21.7	78.3	215.2	613.0
32.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.2	21.7	91.3	271.7	834.8
35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.6	108.7	360.9	1047.8
37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.6	134.8	397.8	1228.2
40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.4	128.3	432.6	1434.8
42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.6	117.4	482.6	1758.7
45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.6	117.4	639.1	2476.0
47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.4	143.5	995.6	3784.7
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.0	184.8	1528.2	5389.0
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.9	223.9	1880.4	6319.4
55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.9	269.6	1882.6	6289.0
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.0	300.0	1684.7	5676.0
58°	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*15.2*	*297.8*	*1630.4*	*5506.4*
60°	0.0	0.0	0.0	0.0	0.0	0.0	2.2	21.7	260.9	1415.2	4806.4
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	8.7	34.8	228.3	1015.2	3984.7
65°	0.0	0.0	0.0	0.0	0.0	0.0	17.4	39.1	208.7	736.9	2991.2
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	21.7	45.7	200.0	521.7	2080.4
70°	0.0	0.0	0.0	0.0	0.0	0.0	26.1	52.2	184.8	373.9	1369.5
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	26.1	65.2	173.9	293.5	826.1
75°	0.0	0.0	0.0	0.0	0.0	0.0	26.1	82.6	152.2	239.1	443.5
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	26.1	89.1	126.1	173.9	269.6
80°	0.0	0.0	0.0	0.0	0.0	0.0	23.9	80.4	91.3	76.1	91.3
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	13.0	47.8	19.6	19.6	30.4
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: P991268
CATALOG NUMBER: GPC-SA2D-750-U-RBC

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	313°	315°	325°	335°	345°	355°	360°
0°	15.2	15.2	15.2	*15.2*	15.2	15.2	15.2	15.2	15.2	15.2
2.5°	15.2	15.2	15.2	*15.2*	17.4	17.4	23.9	30.4	37.0	39.1
5°	19.6	21.7	23.9	*23.9*	23.9	26.1	30.4	34.8	41.3	43.5
7.5°	28.3	30.4	34.8	*34.8*	34.8	37.0	39.1	43.5	47.8	47.8
10°	37.0	43.5	45.7	*47.8*	50.0	50.0	50.0	52.2	54.3	52.2
12.5°	50.0	58.7	69.6	*71.7*	71.7	71.7	69.6	65.2	60.9	58.7
15°	69.6	95.7	130.4	*143.5*	137.0	121.7	106.5	82.6	71.7	67.4
17.5°	128.3	260.9	473.9	*523.9*	513.0	441.3	258.7	126.1	84.8	73.9
20°	345.6	843.5	1391.3	*1523.9*	1593.4	1319.5	763.0	293.5	104.3	80.4
22.5°	745.6	1752.1	2715.2	*3058.6*	3080.4	2478.2	1484.8	595.6	150.0	91.3
25°	1200.0	2802.1	4115.1	*4447.7*	4454.3	3819.5	2373.9	965.2	228.3	113.0
27.5°	1839.1	3928.2	5397.7	*5673.8*	5669.4	5026.0	3430.4	1473.9	319.6	139.1
30°	2493.4	4806.4	6243.3	*6586.8*	6619.4	5849.9	4313.0	2076.0	417.4	167.4
32.5°	3141.2	5456.4	7015.1	*7471.6*	7443.3	6578.1	4928.2	2569.5	584.8	197.8
35°	3652.1	6010.7	7869.4	*8430.3*	8452.0	7378.1	5473.8	3047.8	728.2	254.3
37.5°	4089.0	6725.9	9006.3	*9654.1*	9682.4	8373.7	6045.5	3517.3	852.2	280.4
40°	4628.2	7899.8	10888.9	*11988.9*	11993.2	10230.2	7073.8	4043.4	1019.5	291.3
42.5°	5839.0	10415.0	14567.1	*16147.5*	16284.4	14082.3	9410.7	5184.7	1282.6	315.2
45°	8260.7	13730.2	19258.3	*21077.8*	21251.7	18875.7	13417.1	7819.4	1860.8	384.8
47.5°	11141.1	16612.7	21984.3	*23736.5*	23851.7	21143.0	16099.7	10867.2	3167.3	667.4
50°	12912.8	17680.1	22986.5	*24658.2*	24677.8	21888.7	16941.0	12449.7	4513.0	1097.8
52.5°	13462.8	17817.0	23025.6	*25047.3*	25103.8	21801.7	17056.2	12769.3	5073.8	1273.9
55°	13238.9	17736.6	23438.6	*25790.8*	25851.6	22156.1	16977.9	12419.3	4810.8	1221.7
57.5°	12728.0	18049.6	24116.9	*26673.4*	26673.4	22810.4	17267.0	11832.4	4167.3	1110.8
58°	*12651.9*	*18127.9*	*24153.9*	*26721.2*	*26701.6*	*22851.7*	*17386.6*	*11747.6*	*4026.0*	*1069.5*
60°	12547.6	18369.2	23879.9	*26014.7*	25958.2	22560.4	17604.0	11671.5	3341.2	839.1
62.5°	12395.4	17825.7	21884.3	*23936.5*	23790.8	20519.1	16980.1	11225.9	2493.4	623.9
65°	11615.0	15819.2	18243.1	*19664.8*	19619.2	16880.1	14614.9	10056.3	1795.6	463.0
67.5°	9791.1	12384.5	14736.7	*16449.7*	16460.5	13780.2	11430.2	8036.8	1221.7	369.6
70°	6886.8	9134.6	12528.0	*14434.5*	14521.4	11558.5	8467.2	5356.4	806.5	317.4
72.5°	4113.0	6899.9	10417.2	*11865.0*	11819.3	9591.1	6282.5	3193.4	491.3	282.6
75°	1993.4	4123.8	5265.1	*6106.4*	6071.6	4797.7	3347.8	1565.2	358.7	254.3
77.5°	541.3	1267.4	2039.1	*2652.1*	2723.9	1921.7	1097.8	419.6	223.9	191.3
80°	182.6	391.3	665.2	*904.3*	928.2	830.4	413.0	147.8	97.8	95.7
82.5°	69.6	95.7	121.7	*108.7*	108.7	113.0	89.1	63.0	45.7	39.1
85°	0.0	0.0	2.2	*4.3*	4.3	6.5	6.5	6.5	4.3	4.3
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: SP1-2407-184-6

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

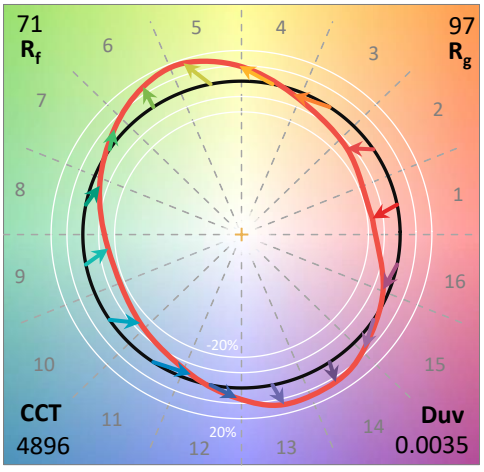
Test Information

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

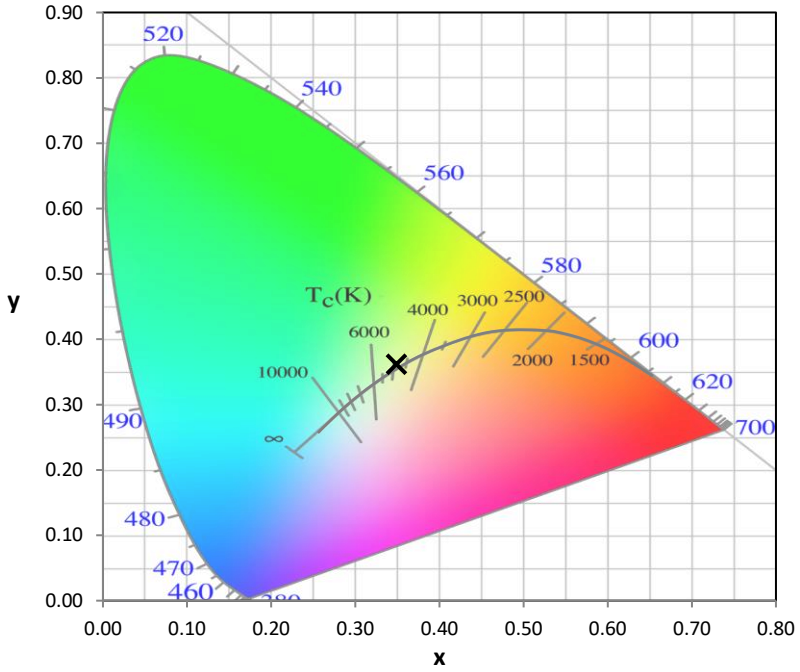
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-6

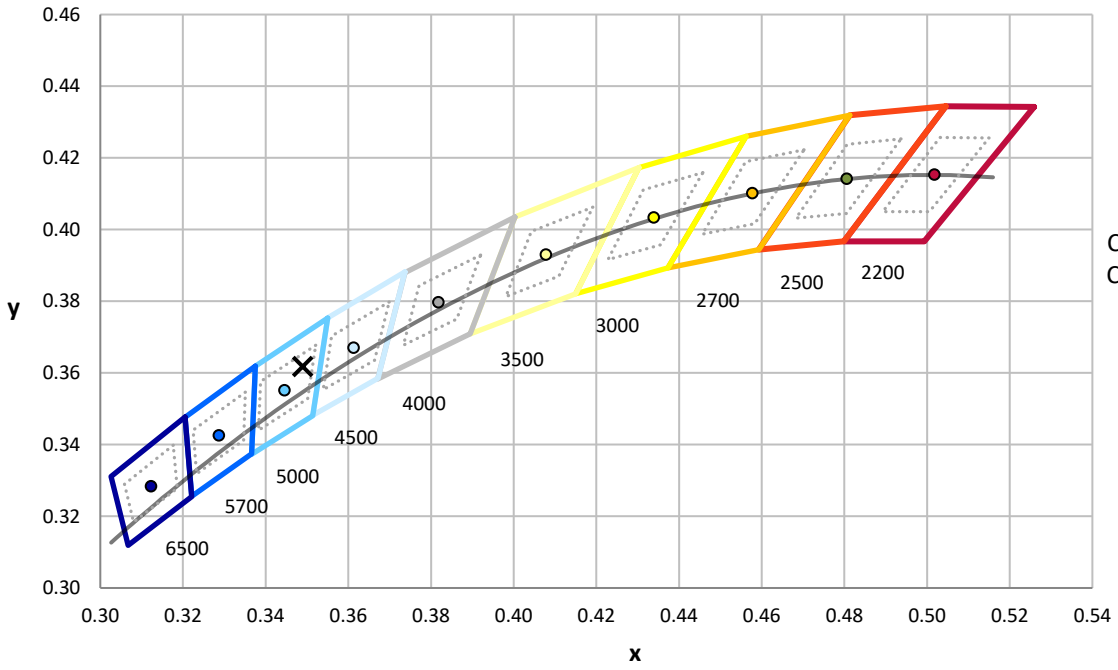
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

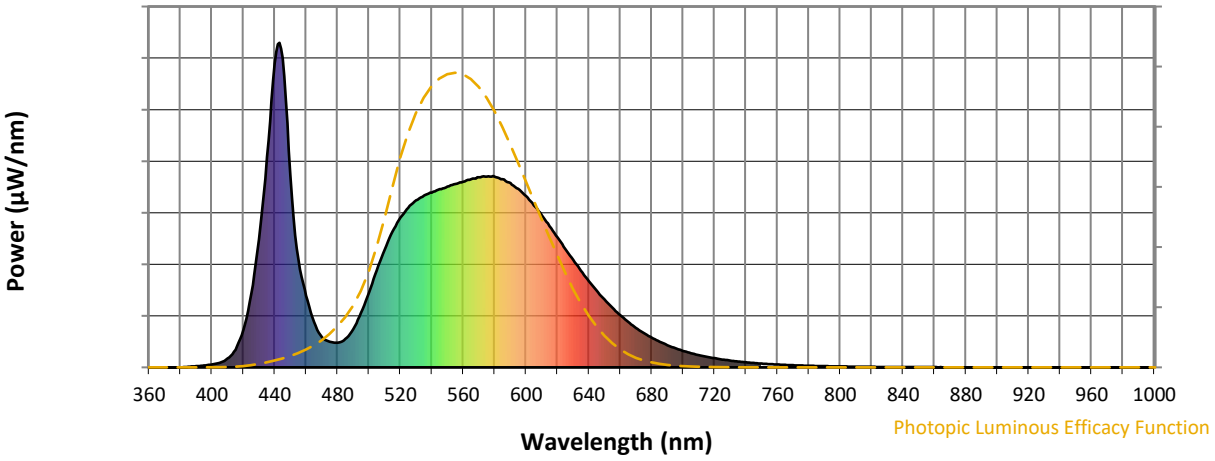


CCT = 4896K
CIE x = 0.3489
CIE y = 0.3618
Duv = 0.0035

Point lies inside the ANSI 5000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-6

Photopic Flux vs. Wavelength

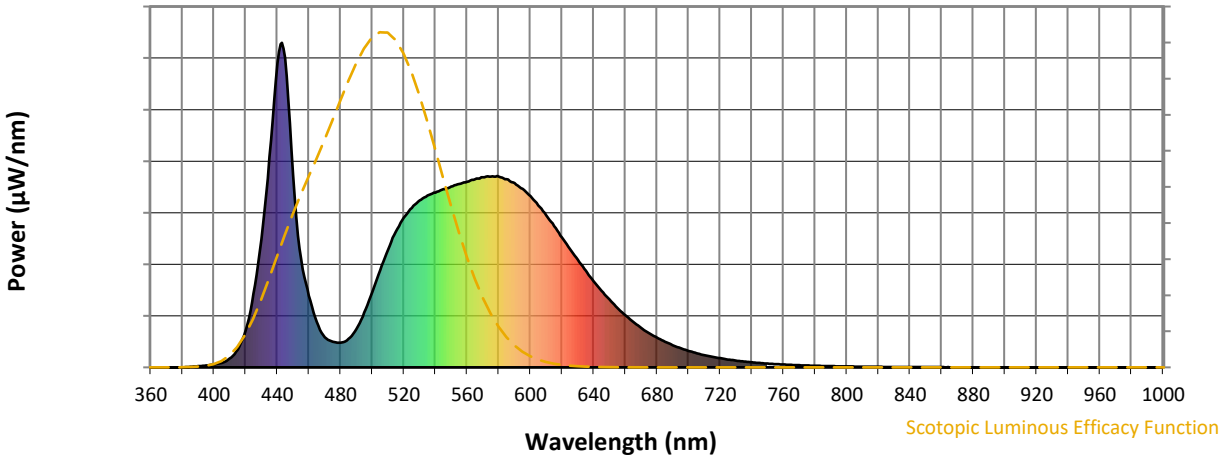


Photopic Lumens: NR

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

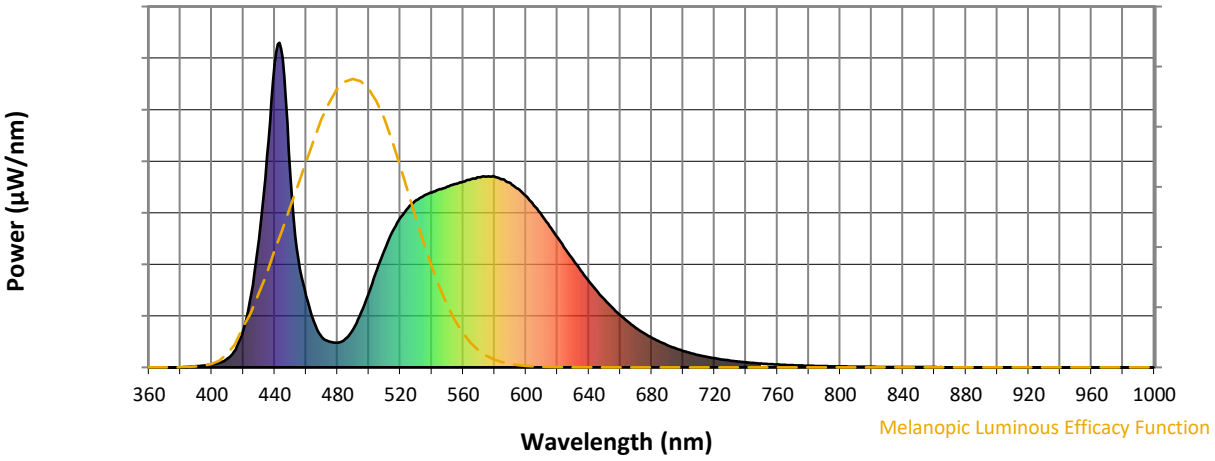


Scotopic Lumens: NR **S/P: 1.7**

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			

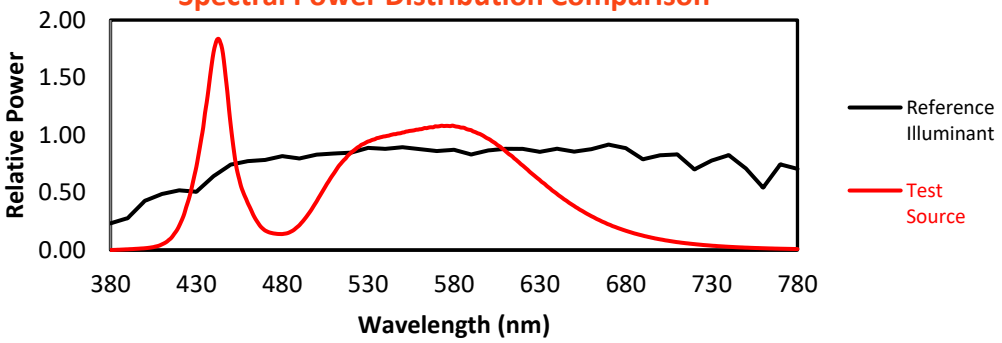
REPORT NUMBER: SP1-2407-184-6

TM-30-18

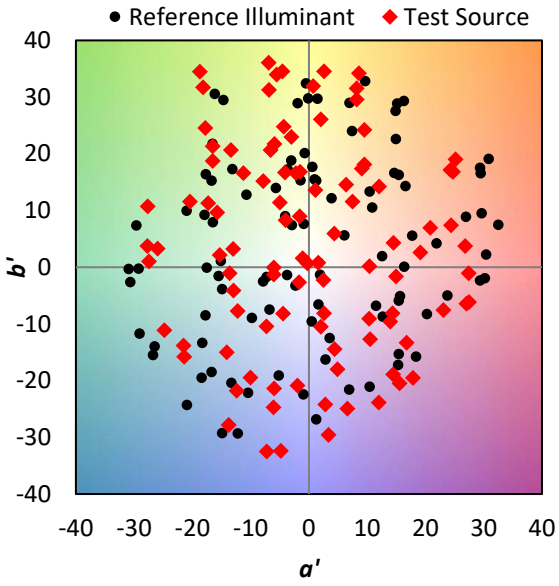
Summary

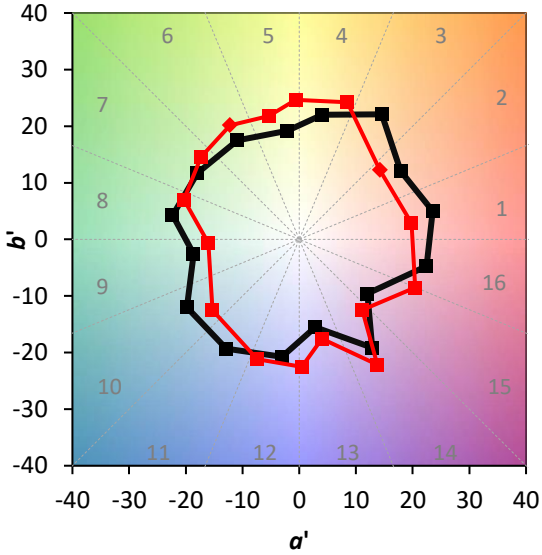
R_f = 70.7
R_g = 96.8
CIE R_a = 70.2
R_9 = -35.1

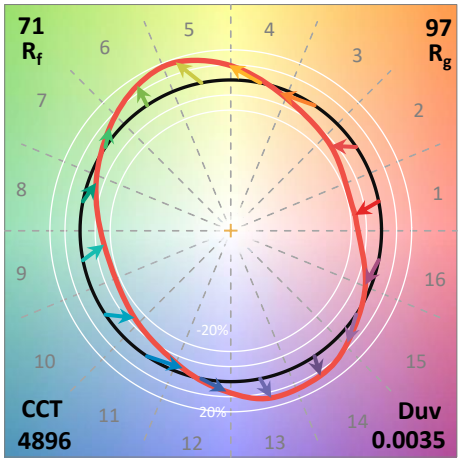
Spectral Power Distribution Comparison

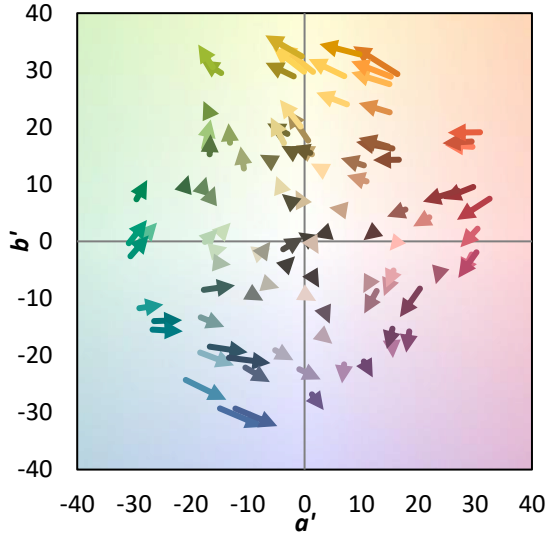


Color Vector Graphics







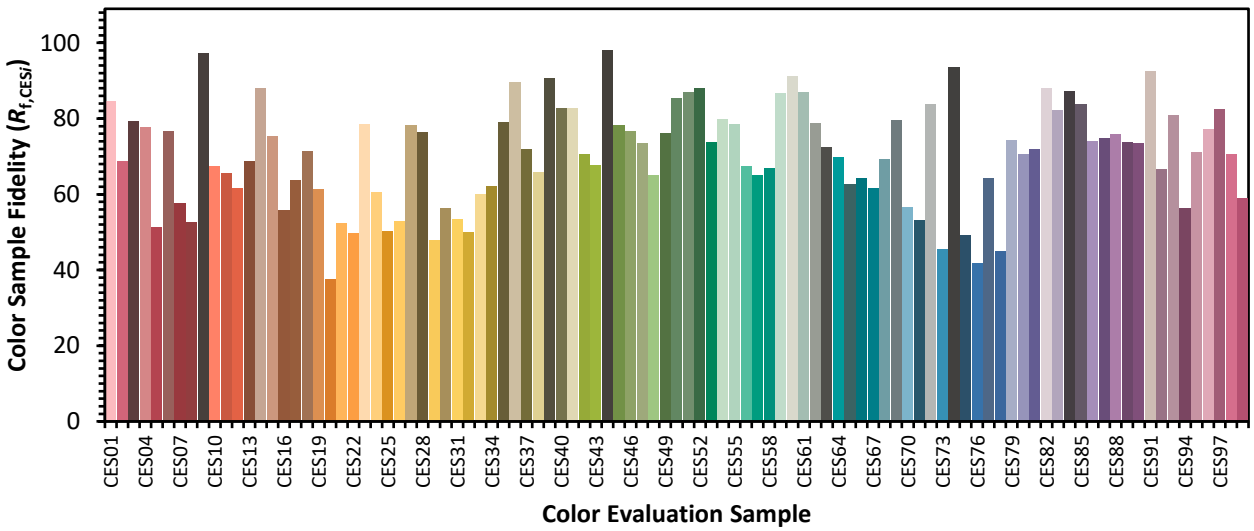


REPORT NUMBER: SP1-2407-184-6

TM-30-18

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

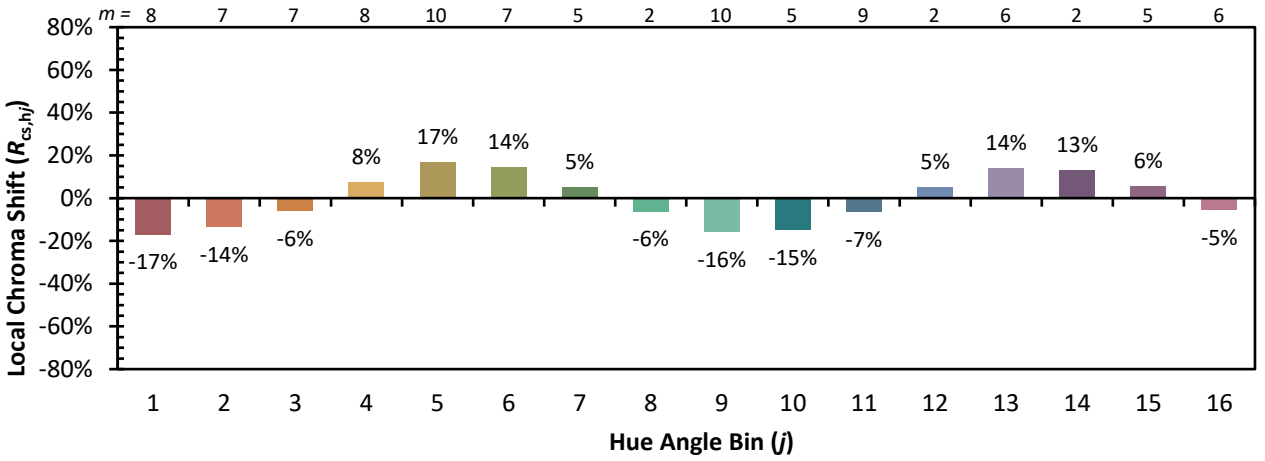
CES01 = 85	CES26 = 53	CES51 = 87	CES76 = 42
CES02 = 59	CES27 = 78	CES52 = 88	CES77 = 64
CES03 = 30	CES28 = 76	CES53 = 74	CES78 = 45
CES04 = 69	CES29 = 48	CES54 = 80	CES79 = 74
CES05 = 46	CES30 = 56	CES55 = 79	CES80 = 71
CES06 = 50	CES31 = 54	CES56 = 68	CES81 = 72
CES07 = 39	CES32 = 50	CES57 = 65	CES82 = 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	

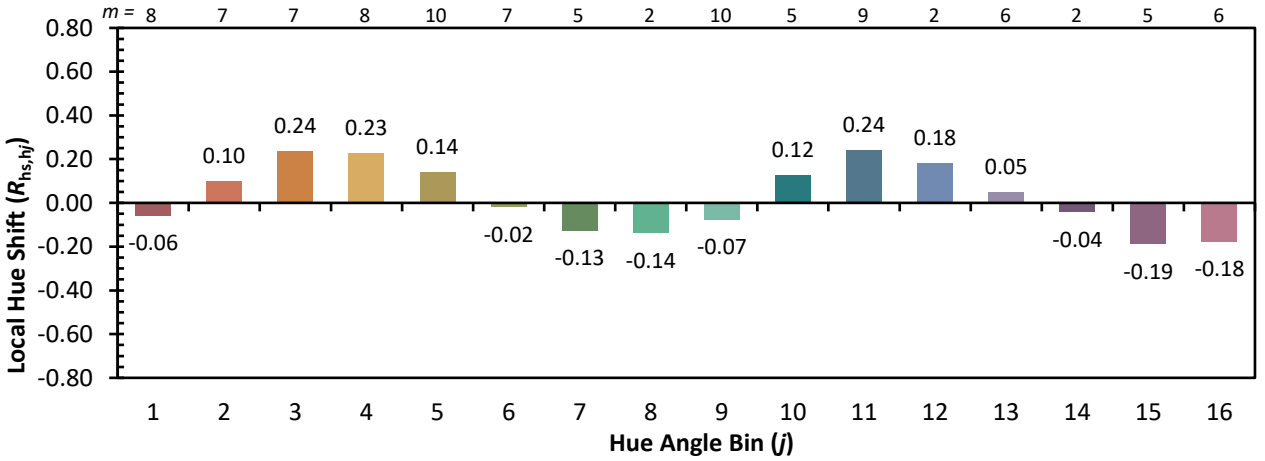


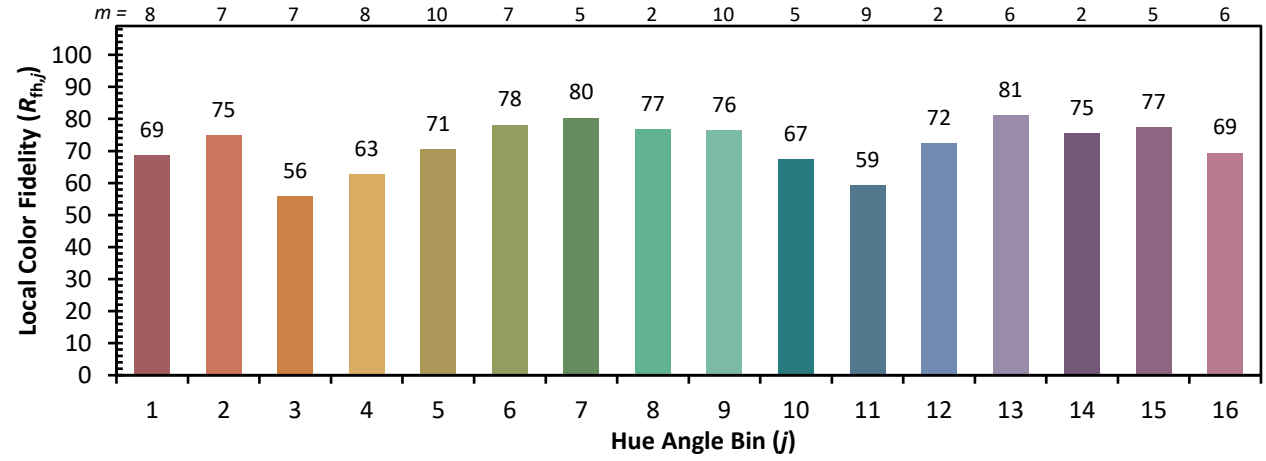
REPORT NUMBER: SP1-2407-184-6

TM-30-18

Color Rendition by Hue-Angle Bin



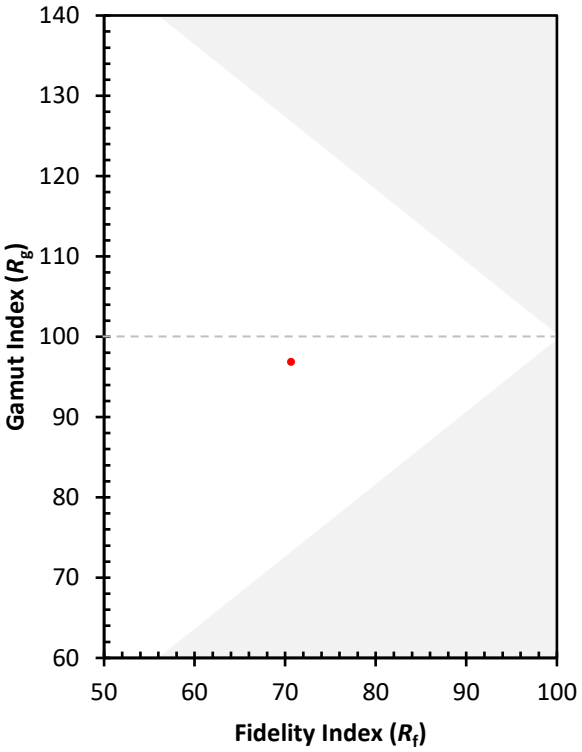


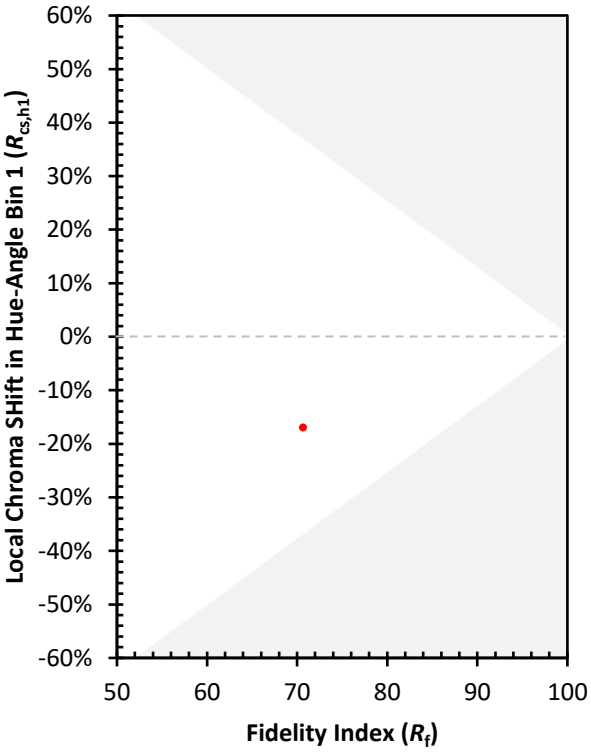


REPORT NUMBER: SP1-2407-184-6

TM-30-18

Measure Comparisons





(END OF REPORT)