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: P991244

Luminaire Tested: **GPC-SA2D-730-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:	P991244
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	07/03/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GPC-SA2D-730-U-RBC
Description:	GALLEON PEDESTRAIAN COMPANION 1200mA 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:	9895.5 lumens
Efficiency:	N/A
Efficacy:	91.5 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

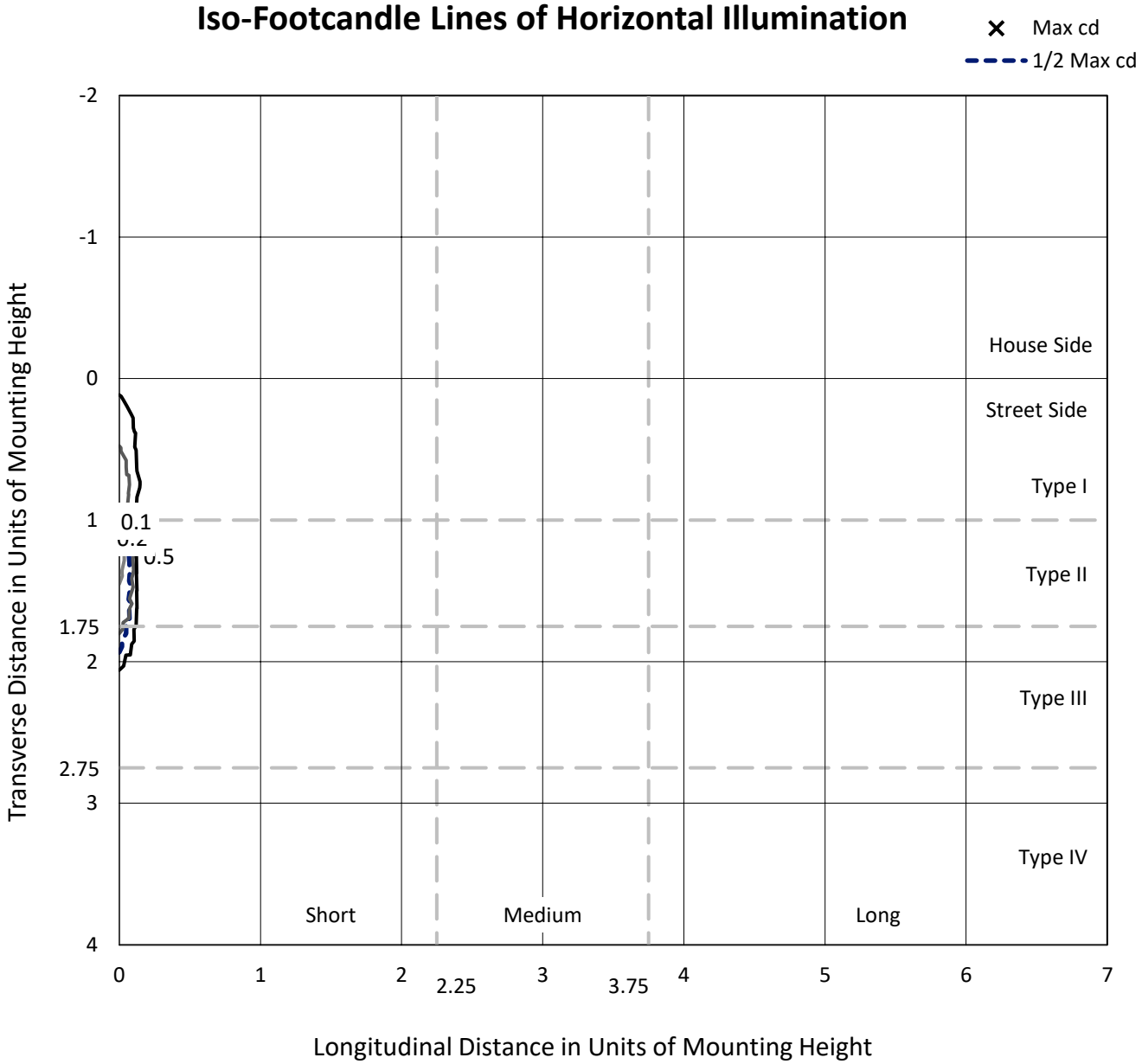
Input Watts (W):	108.2
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	24 FT

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

Scaled Data Report

REPORT NUMBER: P991244
CATALOG NUMBER: GPC-SA2D-730-U-RBC

Iso-Footcandle Lines of Horizontal Illumination



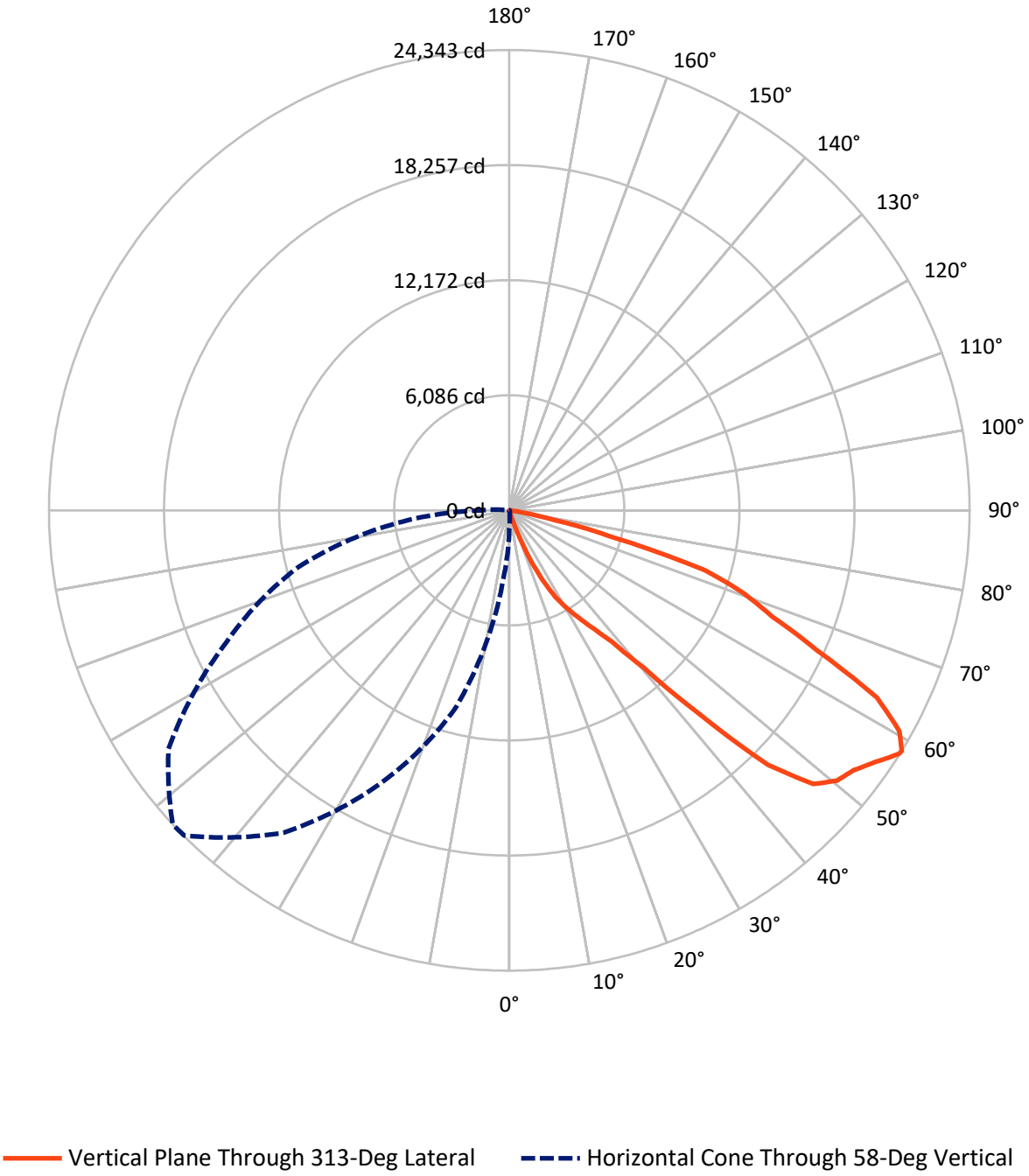
Based on 20 foot mounting height. Maximum calculated value = 0.7 fc
Type III - Short - N/A

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

Scaled Data Report

REPORT NUMBER: P991244
CATALOG NUMBER: GPC-SA2D-730-U-RBC

Luminous Intensity Polar Plot



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

Scaled Data Report

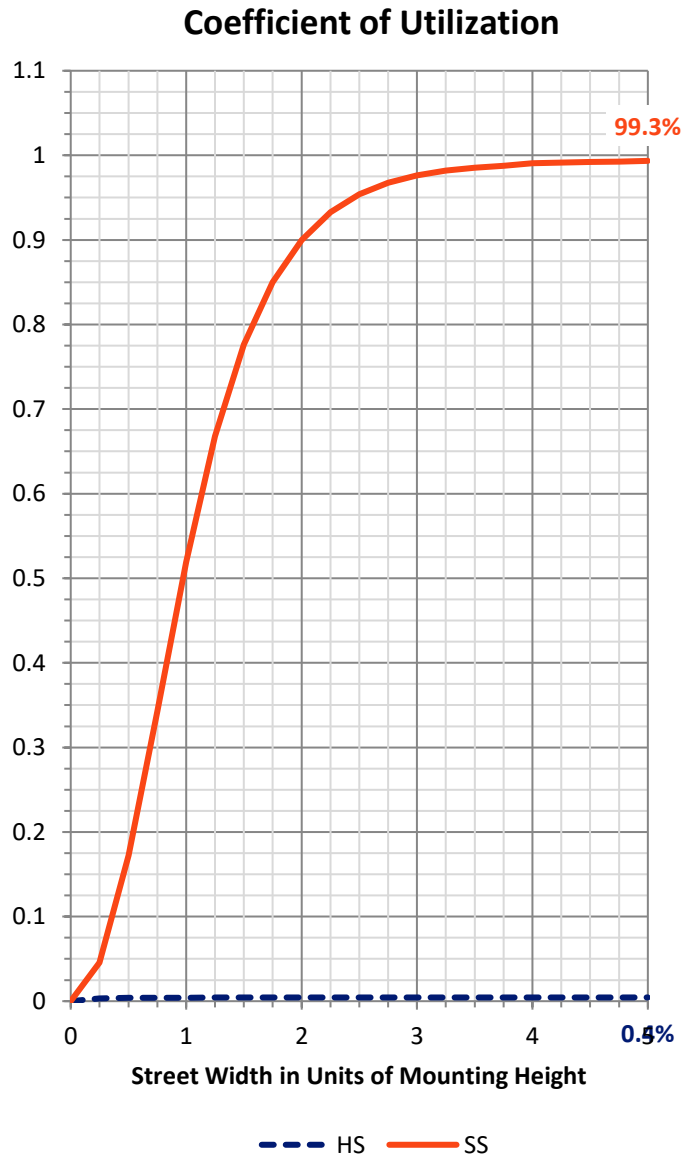
REPORT NUMBER: P991244
CATALOG NUMBER: GPC-SA2D-730-U-RBC

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	44.2	0.0	44.2
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	9851.2	0.0	9851.2
	% Fixture	99.6	0.0	99.6
Total	Lumens	9895.5	0.0	9895.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.4	0.0
10°-20°	17.2	0.2
20°-30°	249.9	2.5
30°-40°	718.4	7.3
40°-50°	2046.5	20.7
50°-60°	3219.0	32.5
60°-70°	2745.1	27.7
70°-80°	875.7	8.8
80°-90°	22.3	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°	9895.5	100.0
0°-180°	9895.5	100.0



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

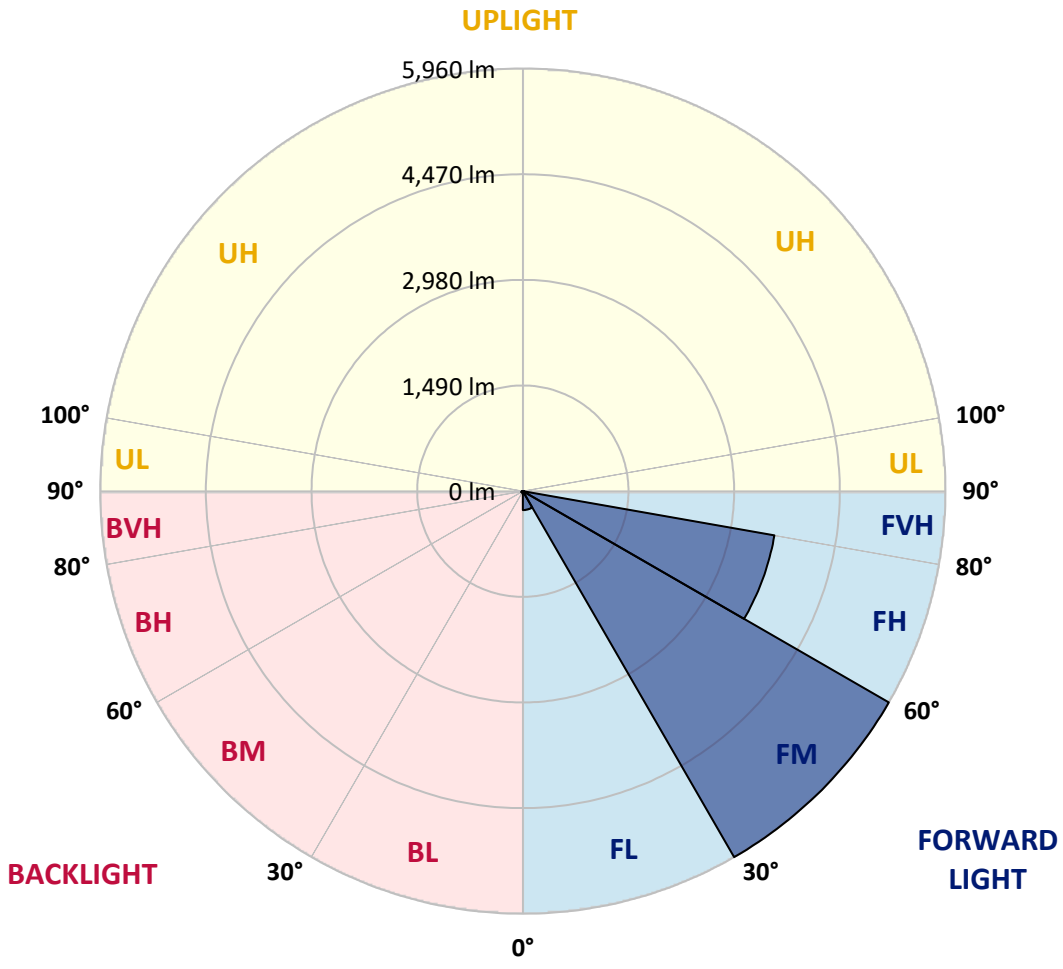
Scaled Data Report

REPORT NUMBER: P991244
CATALOG NUMBER: GPC-SA2D-730-U-RBC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	266.8	2.7			
FM	(30°-60°)	5960.2	60.2			
FH	(60°-80°)	3603.2	36.4			G2/5000
FVH	(80°-90°)	21.1	0.2			G1/100
BL	(0°-30°)	1.8	0.0	B0/110		
BM	(30°-60°)	23.7	0.2	B0/220		
BH	(60°-80°)	17.6	0.2	B0/110		G0/110
BVH	(80°-90°)	1.2	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: P991244
CATALOG NUMBER: GPC-SA2D-730-U-RBC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9
2.5°	35.6	37.6	39.6	37.6	33.7	25.7	25.7	19.8	13.9	7.9	5.9
5°	39.6	39.6	39.6	37.6	33.7	25.7	23.8	17.8	11.9	7.9	4.0
7.5°	43.6	43.6	41.6	37.6	31.7	25.7	23.8	17.8	11.9	5.9	0.0
10°	47.5	47.5	43.6	39.6	31.7	23.8	21.8	15.8	9.9	4.0	0.0
12.5°	53.5	51.5	45.5	39.6	31.7	21.8	21.8	15.8	7.9	2.0	0.0
15°	61.4	55.5	47.5	39.6	29.7	21.8	19.8	13.9	5.9	0.0	0.0
17.5°	67.3	61.4	49.5	37.6	27.7	19.8	17.8	11.9	5.9	0.0	0.0
20°	73.3	63.4	49.5	37.6	27.7	17.8	15.8	9.9	2.0	0.0	0.0
22.5°	83.2	67.3	49.5	37.6	25.7	15.8	13.9	7.9	0.0	0.0	0.0
25°	103.0	71.3	49.5	35.6	23.8	13.9	11.9	4.0	0.0	0.0	0.0
27.5°	126.7	77.2	49.5	33.7	21.8	11.9	9.9	2.0	0.0	0.0	0.0
30°	152.5	83.2	49.5	33.7	19.8	9.9	7.9	0.0	0.0	0.0	0.0
32.5°	180.2	91.1	49.5	31.7	17.8	7.9	5.9	0.0	0.0	0.0	0.0
35°	231.7	103.0	49.5	31.7	15.8	5.9	4.0	0.0	0.0	0.0	0.0
37.5°	255.5	118.8	49.5	29.7	15.8	4.0	2.0	0.0	0.0	0.0	0.0
40°	265.4	114.9	47.5	29.7	13.9	2.0	0.0	0.0	0.0	0.0	0.0
42.5°	287.2	106.9	49.5	27.7	13.9	2.0	0.0	0.0	0.0	0.0	0.0
45°	350.5	106.9	53.5	27.7	11.9	4.0	0.0	0.0	0.0	0.0	0.0
47.5°	608.0	110.9	51.5	27.7	11.9	4.0	0.0	0.0	0.0	0.0	0.0
50°	1000.1	130.7	49.5	29.7	13.9	2.0	0.0	0.0	0.0	0.0	0.0
52.5°	1160.5	158.4	49.5	31.7	17.8	0.0	0.0	0.0	0.0	0.0	0.0
55°	1113.0	194.1	49.5	33.7	21.8	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	1012.0	184.2	53.5	39.6	27.7	0.0	0.0	0.0	0.0	0.0	0.0
58°	*974.4*	*184.2*	*53.5*	*39.6*	*27.7*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*
60°	764.4	188.1	61.4	43.6	29.7	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	568.4	192.1	69.3	49.5	29.7	2.0	0.0	0.0	0.0	0.0	0.0
65°	421.8	200.0	73.3	57.4	27.7	4.0	0.0	0.0	0.0	0.0	0.0
67.5°	336.7	206.0	79.2	63.4	31.7	7.9	2.0	0.0	0.0	0.0	0.0
70°	289.1	198.0	85.2	65.4	29.7	11.9	5.9	0.0	0.0	0.0	0.0
72.5°	257.5	186.2	97.0	63.4	31.7	11.9	5.9	0.0	0.0	0.0	0.0
75°	231.7	170.3	110.9	61.4	31.7	11.9	7.9	0.0	0.0	0.0	0.0
77.5°	174.3	148.5	108.9	59.4	29.7	11.9	7.9	0.0	0.0	0.0	0.0
80°	87.1	99.0	95.1	53.5	23.8	9.9	7.9	2.0	0.0	0.0	0.0
82.5°	35.6	37.6	47.5	39.6	19.8	7.9	7.9	2.0	0.0	0.0	0.0
85°	4.0	7.9	13.9	15.8	13.9	7.9	7.9	2.0	0.0	0.0	0.0
87.5°	0.0	2.0	7.9	11.9	9.9	5.9	4.0	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: P991244
CATALOG NUMBER: GPC-SA2D-730-U-RBC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9
2.5°	4.0	4.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
5°	2.0	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: P991244
CATALOG NUMBER: GPC-SA2D-730-U-RBC

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9
2.5°	2.0	4.0	4.0	4.0	5.9	5.9	7.9	9.9	9.9	9.9	11.9
5°	0.0	0.0	2.0	2.0	4.0	5.9	7.9	11.9	13.9	13.9	15.8
7.5°	0.0	0.0	0.0	2.0	4.0	5.9	7.9	11.9	15.8	17.8	19.8
10°	0.0	0.0	0.0	0.0	2.0	4.0	7.9	13.9	19.8	23.8	27.7
12.5°	0.0	0.0	0.0	0.0	0.0	2.0	7.9	15.8	23.8	29.7	33.7
15°	0.0	0.0	0.0	0.0	0.0	2.0	7.9	15.8	29.7	35.6	43.6
17.5°	0.0	0.0	0.0	0.0	0.0	0.0	7.9	17.8	33.7	43.6	59.4
20°	0.0	0.0	0.0	0.0	0.0	0.0	5.9	17.8	37.6	53.5	89.1
22.5°	0.0	0.0	0.0	0.0	0.0	0.0	5.9	17.8	41.6	69.3	164.4
25°	0.0	0.0	0.0	0.0	0.0	0.0	4.0	17.8	47.5	103.0	273.3
27.5°	0.0	0.0	0.0	0.0	0.0	0.0	4.0	19.8	57.4	144.6	400.0
30°	0.0	0.0	0.0	0.0	0.0	0.0	4.0	19.8	71.3	196.1	558.5
32.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.0	19.8	83.2	247.5	760.5
35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.8	99.0	328.7	954.5
37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.8	122.8	362.4	1118.9
40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.8	116.8	394.1	1307.1
42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.8	106.9	439.6	1602.1
45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.8	106.9	582.2	2255.7
47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.8	130.7	907.0	3447.9
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.9	168.3	1392.2	4909.4
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.9	204.0	1713.0	5757.0
55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.9	245.6	1715.0	5729.3
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.9	273.3	1534.8	5170.8
58°	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*13.9*	*271.3*	*1485.3*	*5016.3*
60°	0.0	0.0	0.0	0.0	0.0	0.0	2.0	19.8	237.6	1289.2	4378.7
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	7.9	31.7	207.9	924.8	3630.1
65°	0.0	0.0	0.0	0.0	0.0	0.0	15.8	35.6	190.1	671.4	2725.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	19.8	41.6	182.2	475.3	1895.2
70°	0.0	0.0	0.0	0.0	0.0	0.0	23.8	47.5	168.3	340.6	1247.6
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	23.8	59.4	158.4	267.4	752.5
75°	0.0	0.0	0.0	0.0	0.0	0.0	23.8	75.3	138.6	217.8	404.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	23.8	81.2	114.9	158.4	245.6
80°	0.0	0.0	0.0	0.0	0.0	0.0	21.8	73.3	83.2	69.3	83.2
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	11.9	43.6	17.8	17.8	27.7
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: P991244
CATALOG NUMBER: GPC-SA2D-730-U-RBC

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	313°	315°	325°	335°	345°	355°	360°
0°	13.9	13.9	13.9	*13.9*	13.9	13.9	13.9	13.9	13.9	13.9
2.5°	13.9	13.9	13.9	*13.9*	15.8	15.8	21.8	27.7	33.7	35.6
5°	17.8	19.8	21.8	*21.8*	21.8	23.8	27.7	31.7	37.6	39.6
7.5°	25.7	27.7	31.7	*31.7*	31.7	33.7	35.6	39.6	43.6	43.6
10°	33.7	39.6	41.6	*43.6*	45.5	45.5	45.5	47.5	49.5	47.5
12.5°	45.5	53.5	63.4	*65.4*	65.4	65.4	63.4	59.4	55.5	53.5
15°	63.4	87.1	118.8	*130.7*	124.8	110.9	97.0	75.3	65.4	61.4
17.5°	116.8	237.6	431.7	*477.3*	467.4	402.0	235.7	114.9	77.2	67.3
20°	314.9	768.4	1267.5	*1388.3*	1451.6	1202.1	695.1	267.4	95.1	73.3
22.5°	679.3	1596.2	2473.5	*2786.4*	2806.2	2257.6	1352.6	542.6	136.6	83.2
25°	1093.2	2552.7	3748.9	*4051.9*	4057.8	3479.6	2162.6	879.3	207.9	103.0
27.5°	1675.4	3578.6	4917.3	*5168.8*	5164.9	4578.7	3125.1	1342.7	291.1	126.7
30°	2271.5	4378.7	5687.7	*6000.6*	6030.3	5329.2	3929.1	1891.3	380.2	152.5
32.5°	2861.7	4970.8	6390.7	*6806.6*	6780.9	5992.7	4489.6	2340.8	532.7	180.2
35°	3327.1	5475.8	7169.0	*7680.0*	7699.8	6721.5	4986.6	2776.5	663.4	231.7
37.5°	3725.1	6127.3	8204.8	*8794.9*	8820.7	7628.5	5507.5	3204.3	776.3	255.5
40°	4216.3	7196.8	9919.8	*10921.9*	10925.8	9319.7	6444.2	3683.5	928.8	265.4
42.5°	5319.3	9488.1	13270.6	*14710.4*	14835.1	12829.0	8573.1	4723.2	1168.4	287.2
45°	7525.5	12508.2	17544.3	*19201.9*	19360.3	17195.8	12223.0	7123.5	1695.2	350.5
47.5°	10149.5	15134.2	20027.7	*21623.9*	21728.9	19261.3	14666.8	9900.0	2885.4	608.0
50°	11763.5	16106.5	20940.7	*22463.6*	22481.4	19940.6	15433.2	11341.7	4111.3	1000.1
52.5°	12264.6	16231.3	20976.3	*22818.1*	22869.6	19861.4	15538.2	11632.8	4622.2	1160.5
55°	12060.6	16158.0	21352.6	*23495.4*	23550.8	20184.2	15466.9	11314.0	4382.6	1113.0
57.5°	11595.2	16443.2	21970.5	*24299.4*	24299.4	20780.3	15730.3	10779.3	3796.4	1012.0
58°	*11525.9*	*16514.5*	*22004.2*	*24343.0*	*24325.2*	*20817.9*	*15839.2*	*10702.0*	*3667.7*	*974.4*
60°	11430.8	16734.3	21754.6	*23699.4*	23647.9	20552.5	16037.2	10632.7	3043.9	764.4
62.5°	11292.2	16239.2	19936.6	*21806.1*	21673.4	18692.9	15468.9	10226.8	2271.5	568.4
65°	10581.2	14411.3	16619.5	*17914.6*	17873.1	15377.8	13314.2	9161.3	1635.8	421.8
67.5°	8919.7	11282.3	13425.1	*14985.6*	14995.5	12553.7	10412.9	7321.5	1113.0	336.7
70°	6273.9	8321.6	11413.0	*13149.8*	13229.0	10529.8	7713.6	4879.7	734.7	289.1
72.5°	3746.9	6285.8	9490.0	*10809.0*	10767.4	8737.5	5723.3	2909.2	447.6	257.5
75°	1816.0	3756.8	4796.5	*5562.9*	5531.2	4370.7	3049.8	1425.9	326.8	231.7
77.5°	493.1	1154.6	1857.6	*2416.1*	2481.4	1750.7	1000.1	382.2	204.0	174.3
80°	166.4	356.5	606.0	*823.8*	845.6	756.5	376.3	134.7	89.1	87.1
82.5°	63.4	87.1	110.9	*99.0*	99.0	103.0	81.2	57.4	41.6	35.6
85°	0.0	0.0	2.0	*4.0*	4.0	5.9	5.9	5.9	4.0	4.0
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

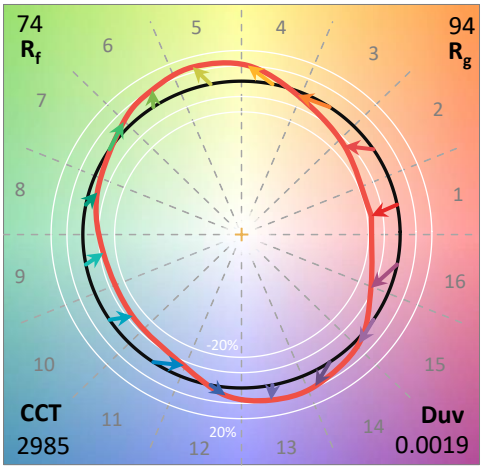
Test Information

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

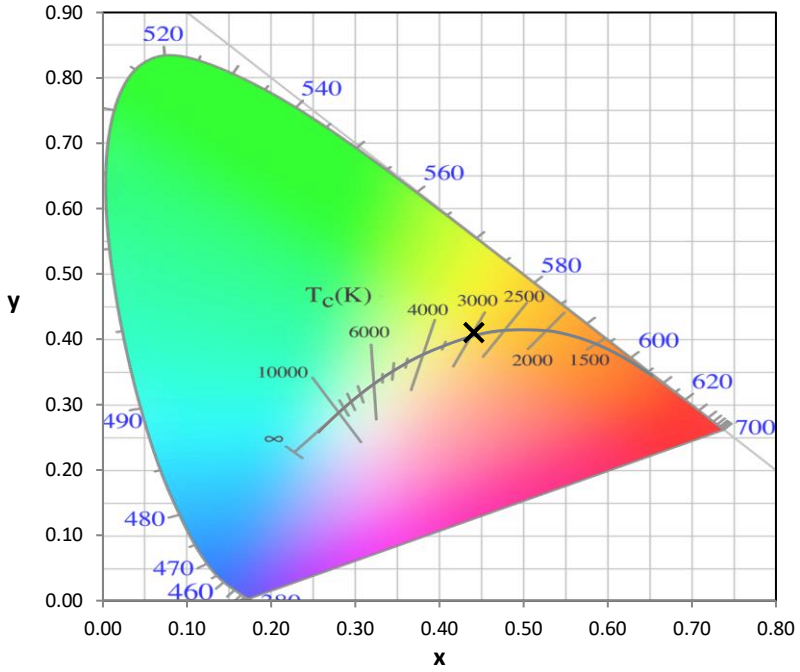
Stabilization Time:	36M
Operation Time:	1H 36M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-4

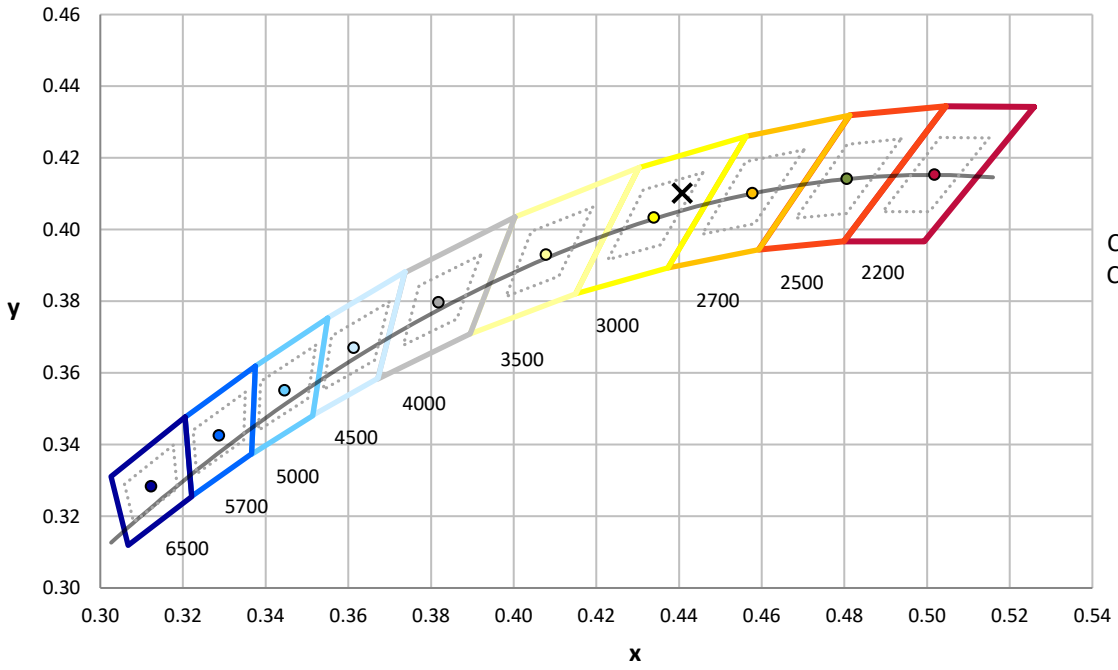
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-4

CIE 1931 Chromaticity Diagram



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

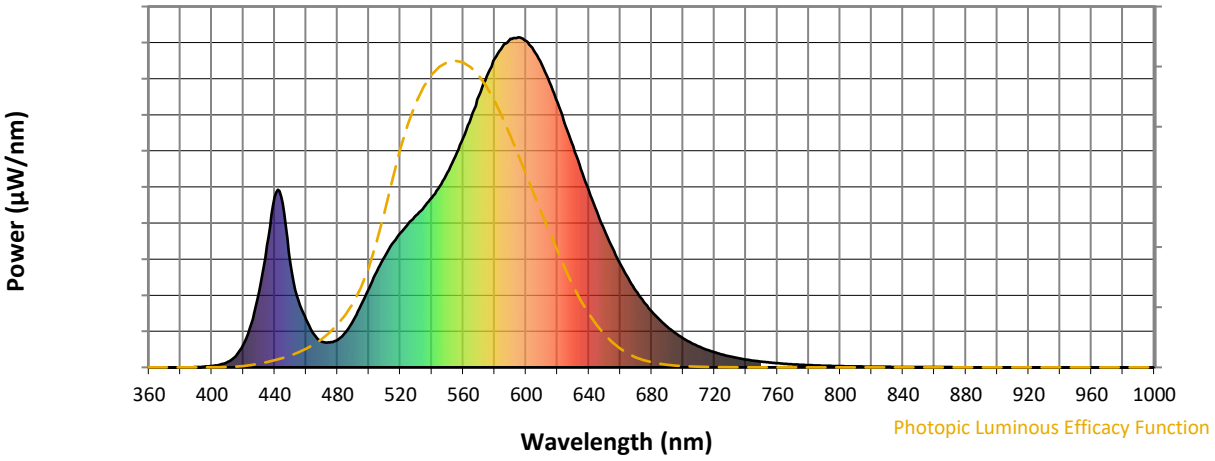


CCT = 2985K
CIE x = 0.4408
CIE y = 0.4101
Duv = 0.0019

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-4

Photopic Flux vs. Wavelength

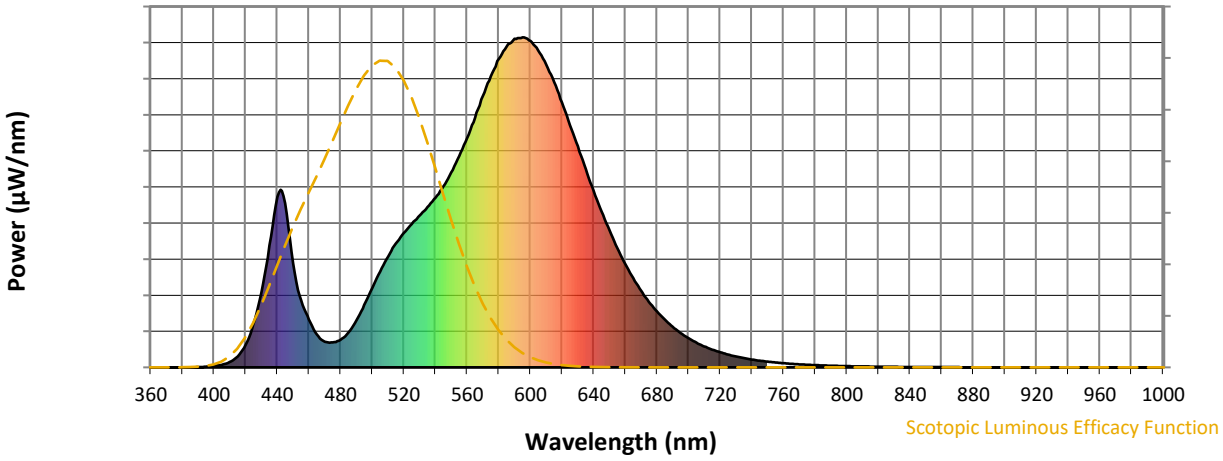


Photopic Lumens: NR

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	142	NR	620	803	NR	750	17	NR	880	0	NR
365	0	NR	495	189	NR	625	734	NR	755	15	NR	885	0	NR
370	0	NR	500	240	NR	630	670	NR	760	13	NR	890	0	NR
375	0	NR	505	290	NR	635	600	NR	765	11	NR	895	0	NR
380	0	NR	510	335	NR	640	535	NR	770	9	NR	900	0	NR
385	0	NR	515	375	NR	645	473	NR	775	8	NR	905	0	NR
390	1	NR	520	408	NR	650	415	NR	780	7	NR	910	0	NR
395	2	NR	525	434	NR	655	362	NR	785	6	NR	915	0	NR
400	4	NR	530	461	NR	660	313	NR	790	5	NR	920	0	NR
405	8	NR	535	486	NR	665	271	NR	795	4	NR	925	0	NR
410	16	NR	540	514	NR	670	231	NR	800	4	NR	930	0	NR
415	33	NR	545	549	NR	675	198	NR	805	3	NR	935	0	NR
420	69	NR	550	591	NR	680	169	NR	810	3	NR	940	0	NR
425	131	NR	555	640	NR	685	144	NR	815	2	NR	945	0	NR
430	227	NR	560	695	NR	690	123	NR	820	2	NR	950	0	NR
435	369	NR	565	757	NR	695	104	NR	825	2	NR	955	0	NR
440	517	NR	570	822	NR	700	88	NR	830	2	NR	960	0	NR
445	498	NR	575	882	NR	705	75	NR	835	1	NR	965	0	NR
450	315	NR	580	935	NR	710	63	NR	840	1	NR	970	0	NR
455	204	NR	585	972	NR	715	54	NR	845	1	NR	975	0	NR
460	145	NR	590	996	NR	720	46	NR	850	1	NR	980	0	NR
465	100	NR	595	1000	NR	725	39	NR	855	1	NR	985	0	NR
470	78	NR	600	989	NR	730	33	NR	860	1	NR	990	0	NR
475	76	NR	605	960	NR	735	28	NR	865	1	NR	995	0	NR
480	83	NR	610	918	NR	740	24	NR	870	1	NR	1000	0	NR
485	105	NR	615	864	NR	745	20	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-4

Scotopic Flux vs. Wavelength

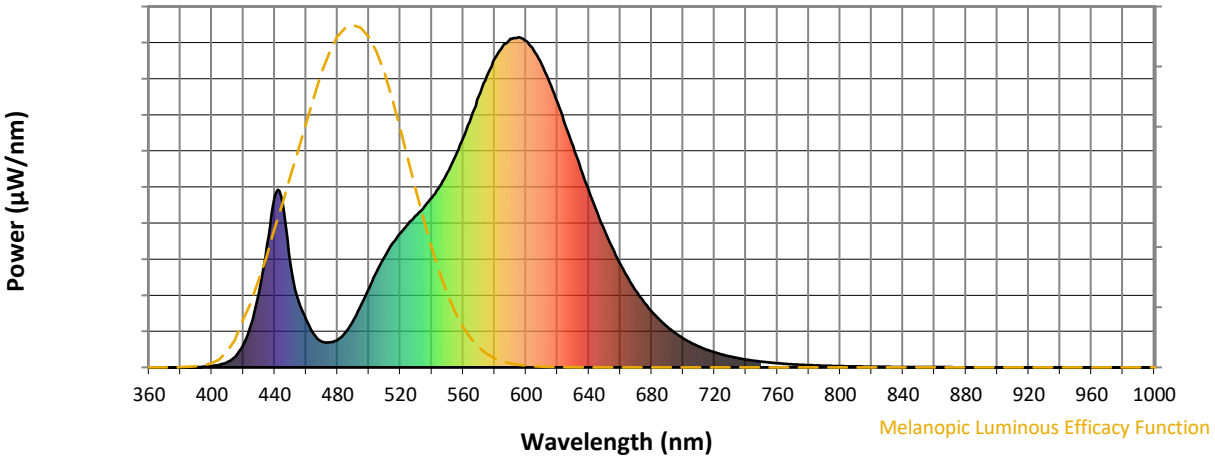


Scotopic Lumens: NR **S/P: 1.19**

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			

REPORT NUMBER: SP1-2407-184-4

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			

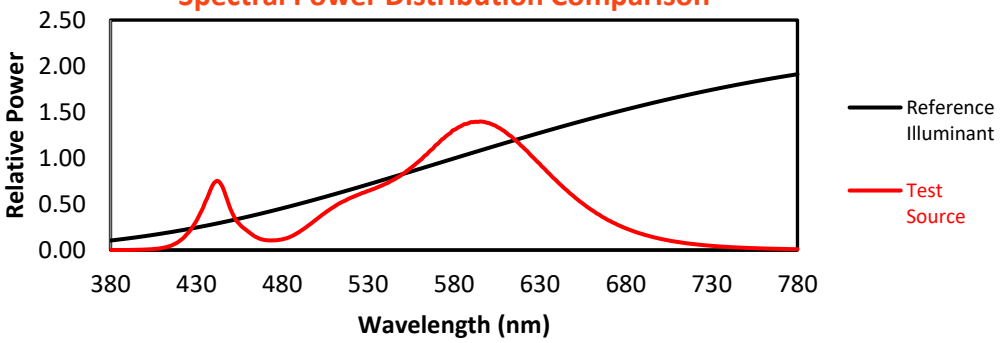
REPORT NUMBER: SP1-2407-184-4

TM-30-18

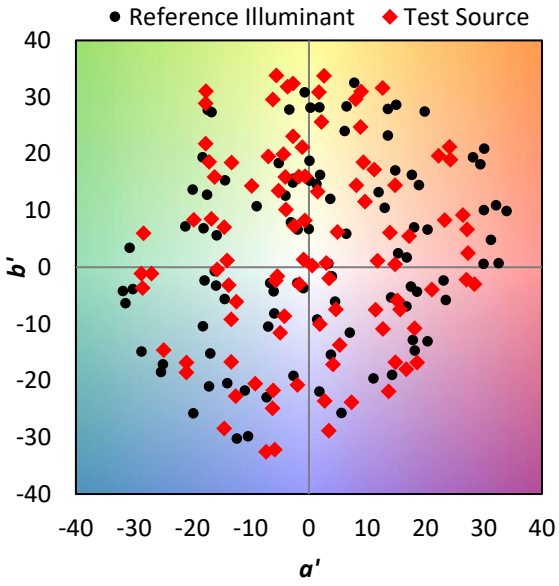
Summary

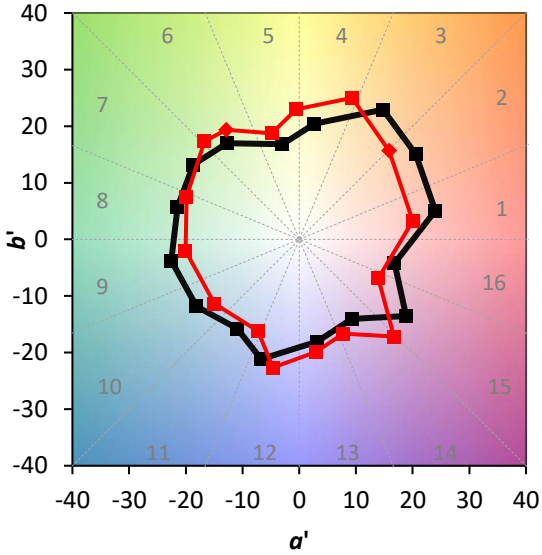
R_f = 73.8
R_g = 94.4
CIE R_a = 70.8
R_9 = -43.2

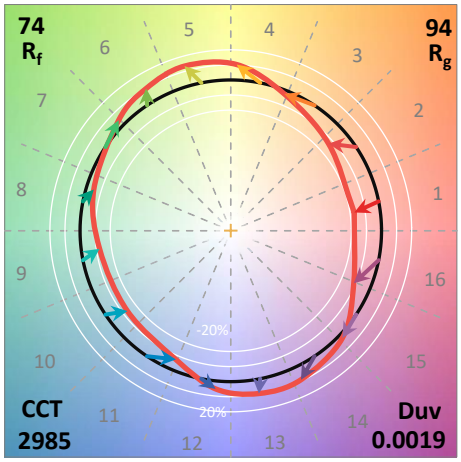
Spectral Power Distribution Comparison

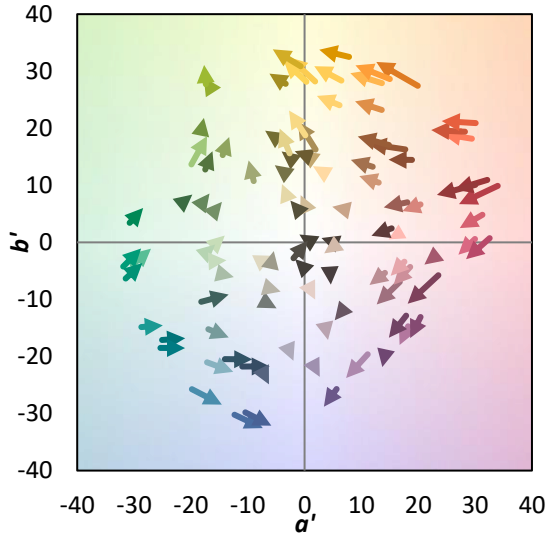


Color Vector Graphics







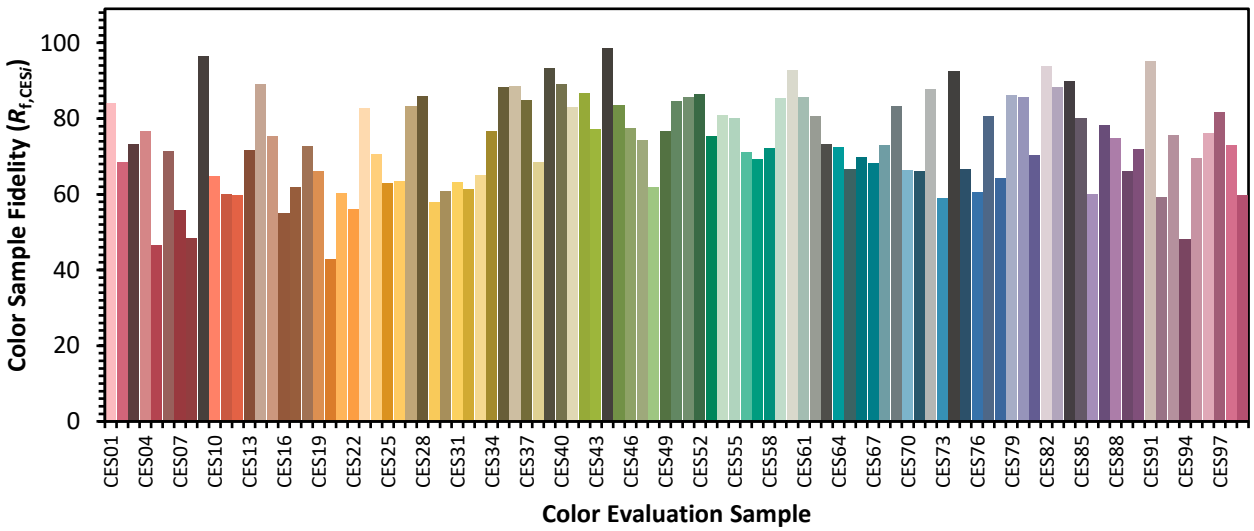


REPORT NUMBER: SP1-2407-184-4

TM-30-18

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

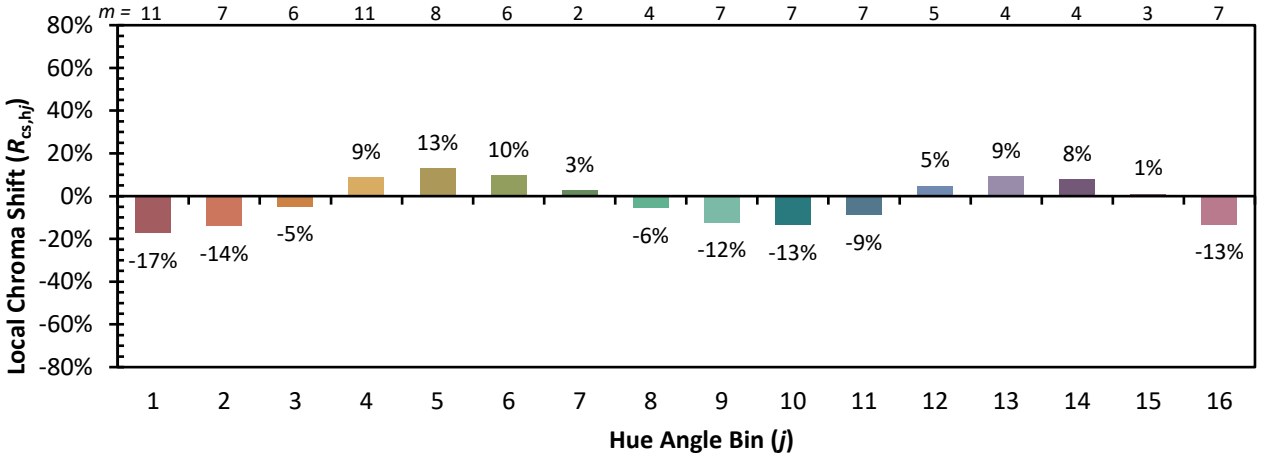
CES01 = 86	CES26 = 63	CES51 = 86	CES76 = 61
CES02 = 62	CES27 = 83	CES52 = 86	CES77 = 81
CES03 = 31	CES28 = 86	CES53 = 75	CES78 = 64
CES04 = 71	CES29 = 58	CES54 = 81	CES79 = 86
CES05 = 49	CES30 = 61	CES55 = 80	CES80 = 86
CES06 = 51	CES31 = 63	CES56 = 71	CES81 = 70
CES07 = 41	CES32 = 61	CES57 = 69	CES82 = 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	

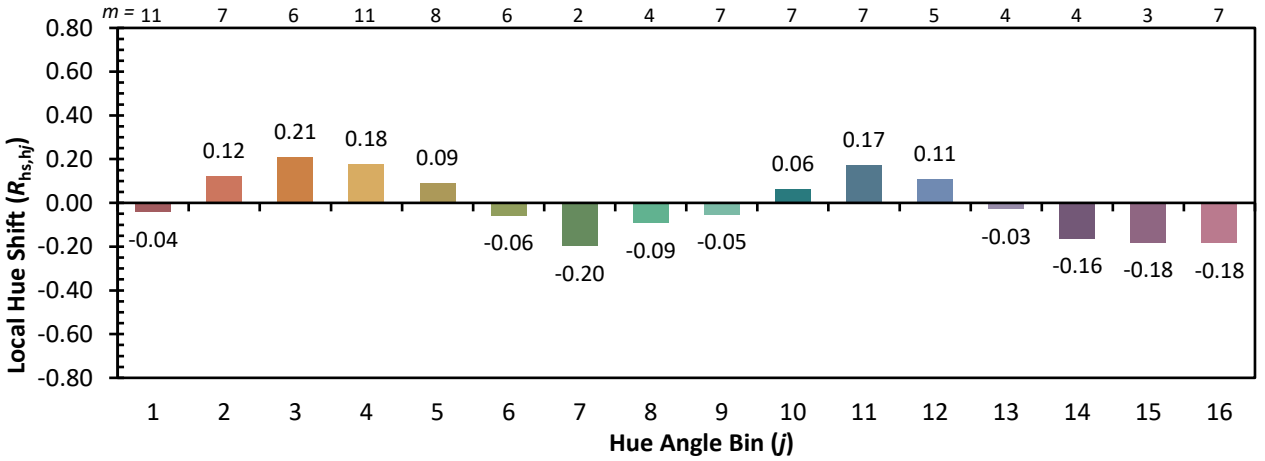


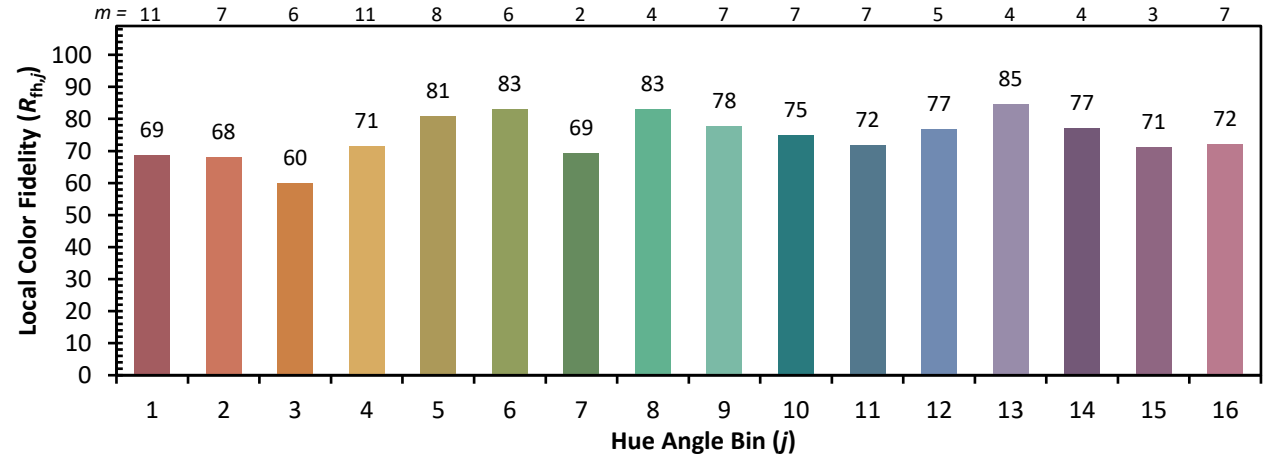
REPORT NUMBER: SP1-2407-184-4

TM-30-18

Color Rendition by Hue-Angle Bin



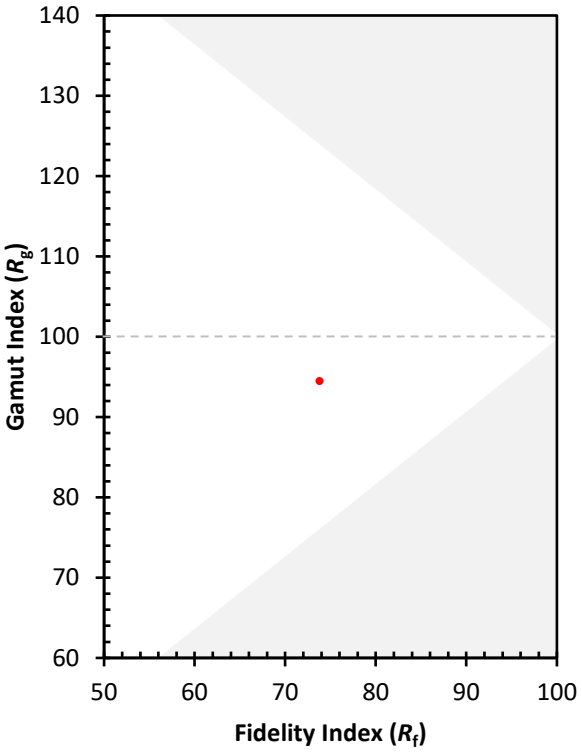


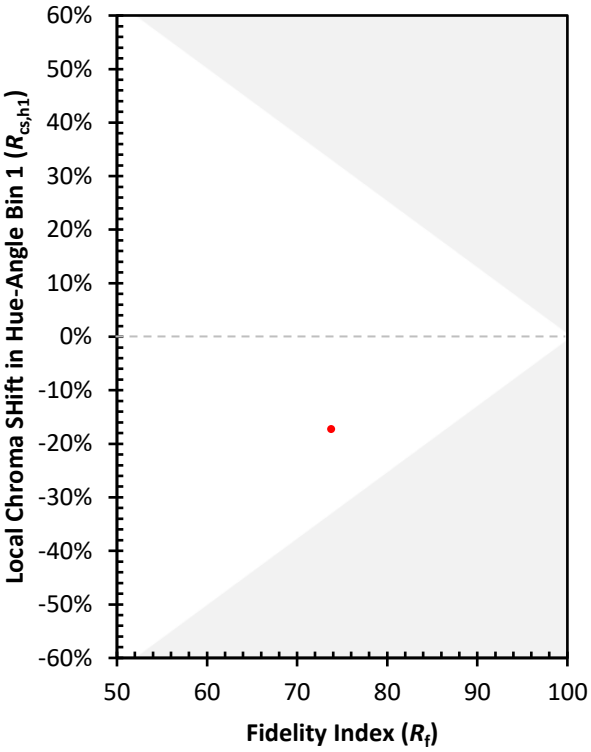


REPORT NUMBER: SP1-2407-184-4

TM-30-18

Measure Comparisons





(END OF REPORT)