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: P1057670

Luminaire Tested: **GAP-SA1C-735-U-RBC**

Issue Date: 08/07/2025

Report Generated By 670347003

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Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1057670
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	08/07/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	GAP-SA1C-735-U-RBC
Description:	GALLEON PEDESTRAIAN COMPANION 1050mA 1xLight Square PACKAGE 70CRI 3500K FIXTURE w/ RIGHT CORNER BACKLIGHT CONTROL
Light Source:	(14) 3500K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	4691.4 lumens
Efficiency:	N/A
Efficacy:	95.0 lumens/watt
Luminous Opening:	Rectangular (W 0.67' x L: 0.67' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B0 - U0 - G1

Input Watts (W):	49.4
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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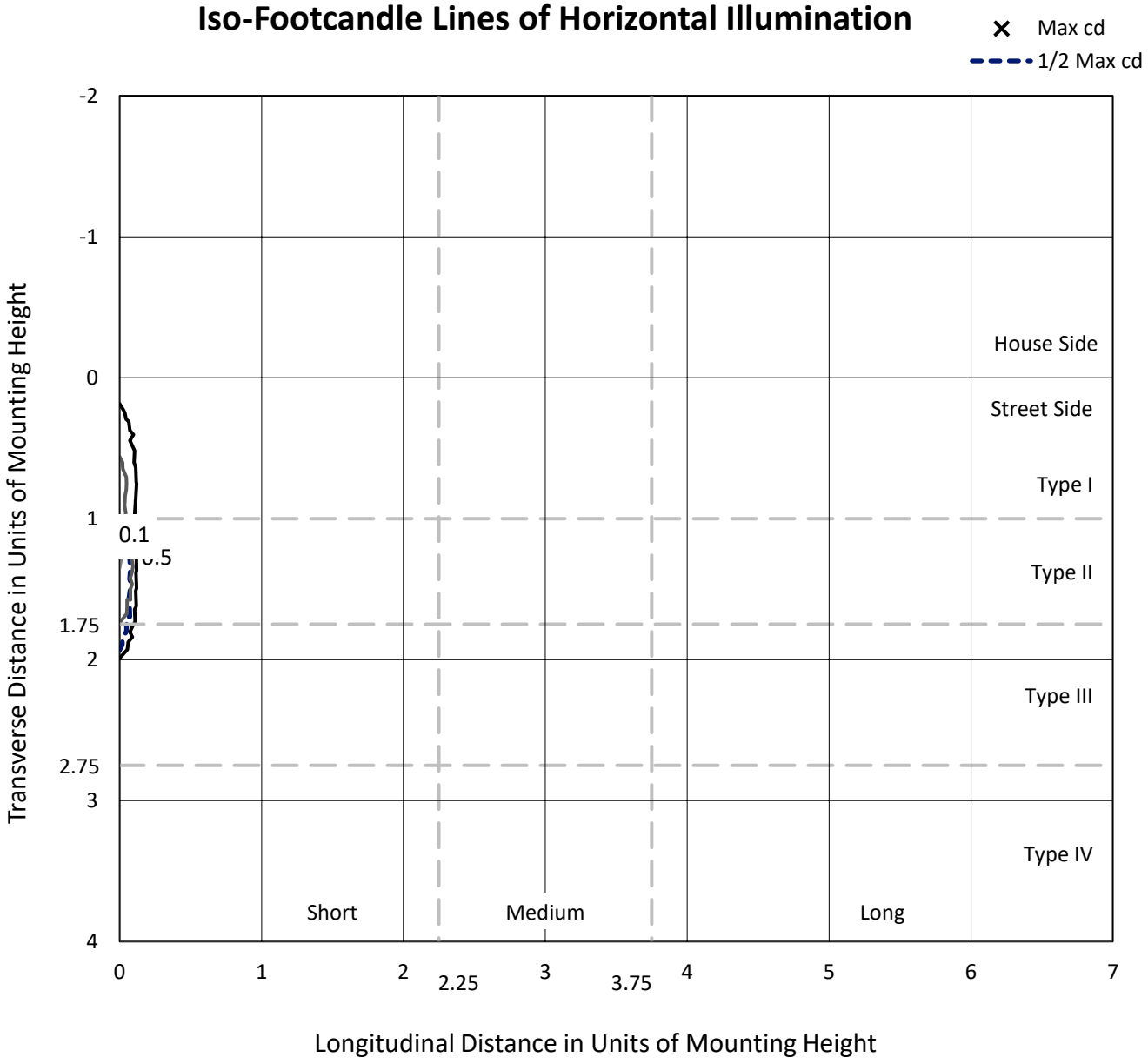
Iso-Footcandle Lines of Horizontal Illumination



Based on 15 foot mounting height. Maximum calculated value = 0.6 fc
Type III - Short - N/A

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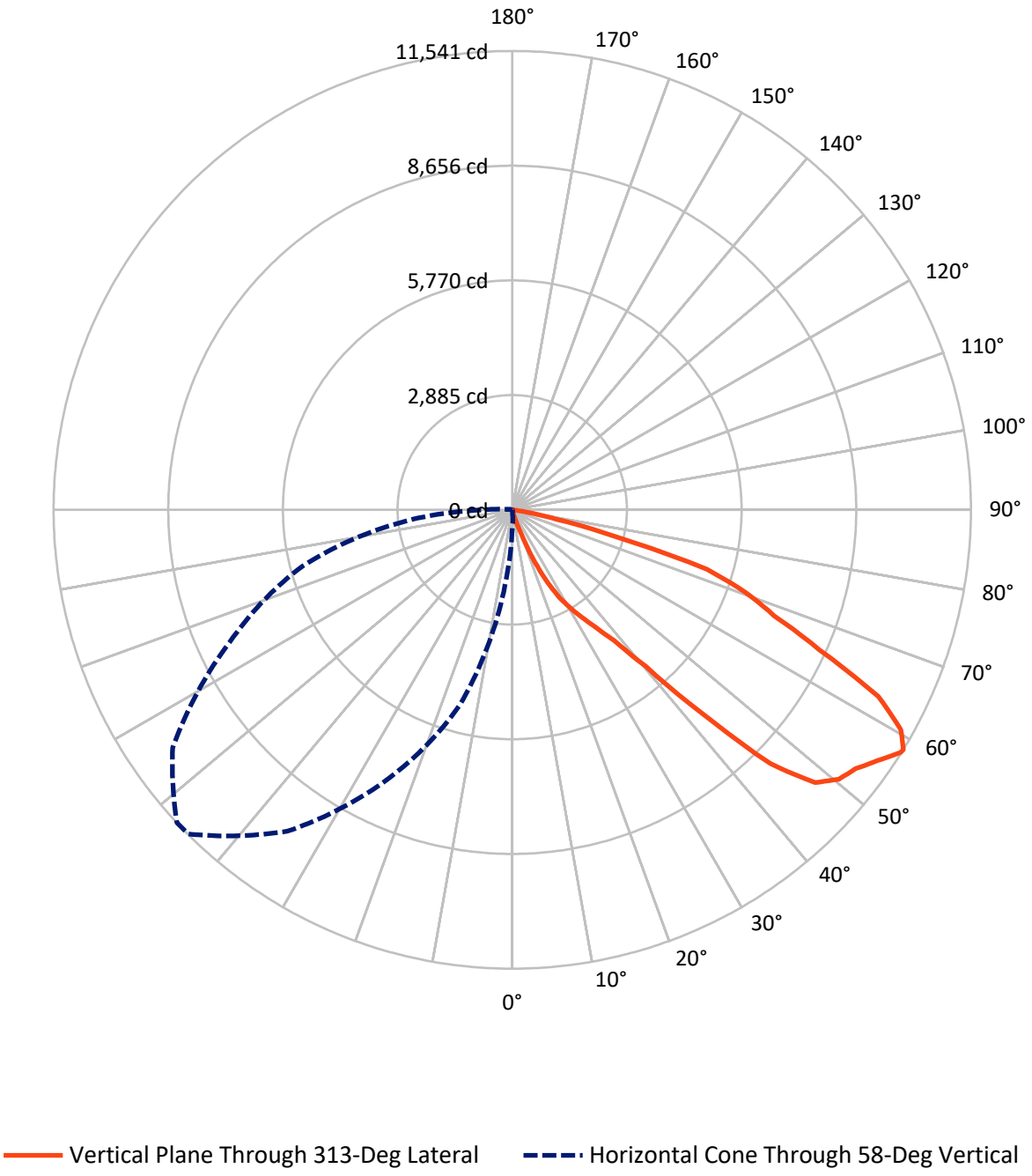
Luminous Intensity Polar Plot



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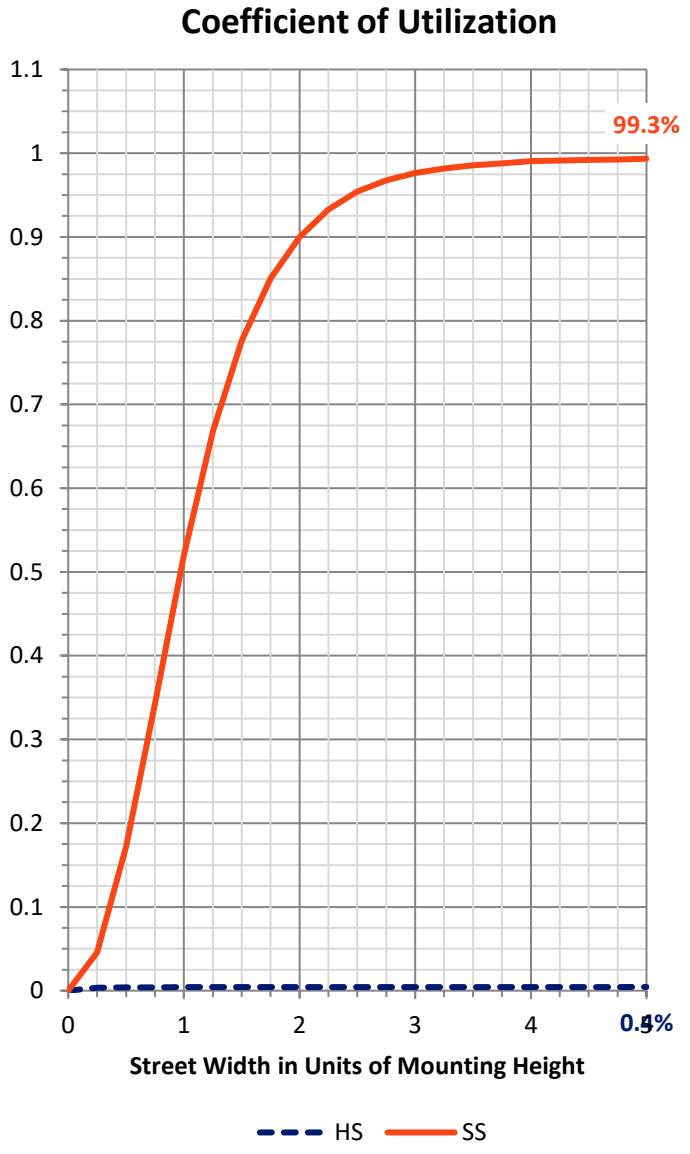
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	21.0	0.0	21.0
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	4670.4	0.0	4670.4
	% Fixture	99.6	0.0	99.6
Total	Lumens	4691.4	0.0	4691.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.7	0.0
10°-20°	8.2	0.2
20°-30°	118.5	2.5
30°-40°	340.6	7.3
40°-50°	970.2	20.7
50°-60°	1526.1	32.5
60°-70°	1301.4	27.7
70°-80°	415.1	8.8
80°-90°	10.6	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°	4691.4	100.0
0°-180°	4691.4	100.0



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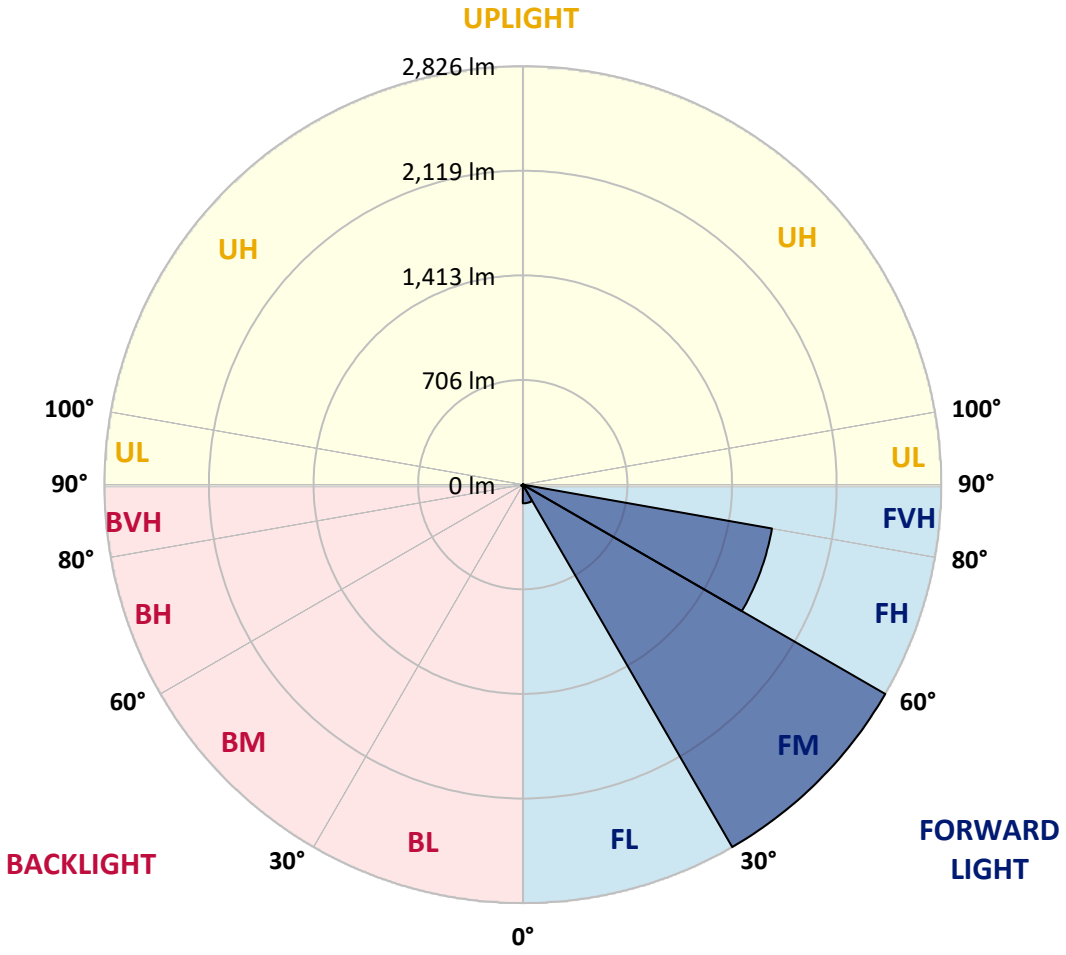
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	126.5	2.7			
FM	(30°-60°)	2825.7	60.2			
FH	(60°-80°)	1708.2	36.4			G1/1800
FVH	(80°-90°)	10.0	0.2			G0/10
BL	(0°-30°)	0.8	0.0	B0/110		
BM	(30°-60°)	11.2	0.2	B0/220		
BH	(60°-80°)	8.3	0.2	B0/110		G0/110
BVH	(80°-90°)	0.6	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-G1
Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
2.5°	16.9	17.8	18.8	17.8	16.0	12.2	12.2	9.4	6.6	3.8	2.8
5°	18.8	18.8	18.8	17.8	16.0	12.2	11.3	8.5	5.6	3.8	1.9
7.5°	20.7	20.7	19.7	17.8	15.0	12.2	11.3	8.5	5.6	2.8	0.0
10°	22.5	22.5	20.7	18.8	15.0	11.3	10.3	7.5	4.7	1.9	0.0
12.5°	25.4	24.4	21.6	18.8	15.0	10.3	10.3	7.5	3.8	0.9	0.0
15°	29.1	26.3	22.5	18.8	14.1	10.3	9.4	6.6	2.8	0.0	0.0
17.5°	31.9	29.1	23.5	17.8	13.1	9.4	8.5	5.6	2.8	0.0	0.0
20°	34.7	30.0	23.5	17.8	13.1	8.5	7.5	4.7	0.9	0.0	0.0
22.5°	39.4	31.9	23.5	17.8	12.2	7.5	6.6	3.8	0.0	0.0	0.0
25°	48.8	33.8	23.5	16.9	11.3	6.6	5.6	1.9	0.0	0.0	0.0
27.5°	60.1	36.6	23.5	16.0	10.3	5.6	4.7	0.9	0.0	0.0	0.0
30°	72.3	39.4	23.5	16.0	9.4	4.7	3.8	0.0	0.0	0.0	0.0
32.5°	85.4	43.2	23.5	15.0	8.5	3.8	2.8	0.0	0.0	0.0	0.0
35°	109.9	48.8	23.5	15.0	7.5	2.8	1.9	0.0	0.0	0.0	0.0
37.5°	121.1	56.3	23.5	14.1	7.5	1.9	0.9	0.0	0.0	0.0	0.0
40°	125.8	54.5	22.5	14.1	6.6	0.9	0.0	0.0	0.0	0.0	0.0
42.5°	136.1	50.7	23.5	13.1	6.6	0.9	0.0	0.0	0.0	0.0	0.0
45°	166.2	50.7	25.4	13.1	5.6	1.9	0.0	0.0	0.0	0.0	0.0
47.5°	288.2	52.6	24.4	13.1	5.6	1.9	0.0	0.0	0.0	0.0	0.0
50°	474.1	62.0	23.5	14.1	6.6	0.9	0.0	0.0	0.0	0.0	0.0
52.5°	550.2	75.1	23.5	15.0	8.5	0.0	0.0	0.0	0.0	0.0	0.0
55°	527.7	92.0	23.5	16.0	10.3	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	479.8	87.3	25.4	18.8	13.1	0.0	0.0	0.0	0.0	0.0	0.0
58°	*461.9*	*87.3*	*25.4*	*18.8*	*13.1*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*
60°	362.4	89.2	29.1	20.7	14.1	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	269.5	91.1	32.9	23.5	14.1	0.9	0.0	0.0	0.0	0.0	0.0
65°	200.0	94.8	34.7	27.2	13.1	1.9	0.0	0.0	0.0	0.0	0.0
67.5°	159.6	97.6	37.6	30.0	15.0	3.8	0.9	0.0	0.0	0.0	0.0
70°	137.1	93.9	40.4	31.0	14.1	5.6	2.8	0.0	0.0	0.0	0.0
72.5°	122.1	88.3	46.0	30.0	15.0	5.6	2.8	0.0	0.0	0.0	0.0
75°	109.9	80.7	52.6	29.1	15.0	5.6	3.8	0.0	0.0	0.0	0.0
77.5°	82.6	70.4	51.6	28.2	14.1	5.6	3.8	0.0	0.0	0.0	0.0
80°	41.3	46.9	45.1	25.4	11.3	4.7	3.8	0.9	0.0	0.0	0.0
82.5°	16.9	17.8	22.5	18.8	9.4	3.8	3.8	0.9	0.0	0.0	0.0
85°	1.9	3.8	6.6	7.5	6.6	3.8	3.8	0.9	0.0	0.0	0.0
87.5°	0.0	0.9	3.8	5.6	4.7	2.8	1.9	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°	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
2.5°	1.9	1.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
5°	0.9	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°	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
2.5°	0.9	1.9	1.9	1.9	2.8	2.8	3.8	4.7	4.7	4.7	5.6
5°	0.0	0.0	0.9	0.9	1.9	2.8	3.8	5.6	6.6	6.6	7.5
7.5°	0.0	0.0	0.0	0.9	1.9	2.8	3.8	5.6	7.5	8.5	9.4
10°	0.0	0.0	0.0	0.0	0.9	1.9	3.8	6.6	9.4	11.3	13.1
12.5°	0.0	0.0	0.0	0.0	0.0	0.9	3.8	7.5	11.3	14.1	16.0
15°	0.0	0.0	0.0	0.0	0.0	0.9	3.8	7.5	14.1	16.9	20.7
17.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.8	8.5	16.0	20.7	28.2
20°	0.0	0.0	0.0	0.0	0.0	0.0	2.8	8.5	17.8	25.4	42.3
22.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.8	8.5	19.7	32.9	77.9
25°	0.0	0.0	0.0	0.0	0.0	0.0	1.9	8.5	22.5	48.8	129.6
27.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.9	9.4	27.2	68.5	189.7
30°	0.0	0.0	0.0	0.0	0.0	0.0	1.9	9.4	33.8	93.0	264.8
32.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.9	9.4	39.4	117.4	360.5
35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.5	46.9	155.9	452.5
37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.5	58.2	171.8	530.5
40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5	55.4	186.8	619.7
42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.5	50.7	208.4	759.6
45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.5	50.7	276.0	1069.4
47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5	62.0	430.0	1634.6
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.6	79.8	660.0	2327.5
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	96.7	812.1	2729.4
55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	116.4	813.1	2716.2
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.6	129.6	727.6	2451.4
58°	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*6.6*	*128.6*	*704.2*	*2378.2*
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.9	9.4	112.7	611.2	2075.9
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.8	15.0	98.6	438.5	1721.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	7.5	16.9	90.1	318.3	1291.9
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	9.4	19.7	86.4	225.3	898.5
70°	0.0	0.0	0.0	0.0	0.0	0.0	11.3	22.5	79.8	161.5	591.5
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	11.3	28.2	75.1	126.8	356.8
75°	0.0	0.0	0.0	0.0	0.0	0.0	11.3	35.7	65.7	103.3	191.5
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	11.3	38.5	54.5	75.1	116.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	10.3	34.7	39.4	32.9	39.4
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	5.6	20.7	8.5	8.5	13.1
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: P1057670
CATALOG NUMBER: GAP-SA1C-735-U-RBC

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	313°	315°	325°	335°	345°	355°	360°
0°	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
2.5°	6.6	6.6	6.6	6.6	7.5	7.5	10.3	13.1	16.0	16.9
5°	8.5	9.4	10.3	10.3	10.3	11.3	13.1	15.0	17.8	18.8
7.5°	12.2	13.1	15.0	15.0	15.0	16.0	16.9	18.8	20.7	20.7
10°	16.0	18.8	19.7	20.7	21.6	21.6	21.6	22.5	23.5	22.5
12.5°	21.6	25.4	30.0	31.0	31.0	31.0	30.0	28.2	26.3	25.4
15°	30.0	41.3	56.3	62.0	59.2	52.6	46.0	35.7	31.0	29.1
17.5°	55.4	112.7	204.7	226.3	221.6	190.6	111.7	54.5	36.6	31.9
20°	149.3	364.3	600.9	658.2	688.2	569.9	329.6	126.8	45.1	34.7
22.5°	322.0	756.7	1172.7	1321.0	1330.4	1070.3	641.3	257.3	64.8	39.4
25°	518.3	1210.2	1777.3	1921.0	1923.8	1649.6	1025.3	416.9	98.6	48.8
27.5°	794.3	1696.6	2331.3	2450.5	2448.6	2170.7	1481.6	636.6	138.0	60.1
30°	1076.9	2075.9	2696.5	2844.8	2858.9	2526.6	1862.8	896.6	180.3	72.3
32.5°	1356.7	2356.6	3029.8	3227.0	3214.8	2841.1	2128.5	1109.8	252.6	85.4
35°	1577.3	2596.0	3398.8	3641.0	3650.4	3186.6	2364.1	1316.3	314.5	109.9
37.5°	1766.1	2904.9	3889.8	4169.6	4181.8	3616.6	2611.1	1519.1	368.0	121.1
40°	1998.9	3411.9	4702.9	5178.0	5179.9	4418.4	3055.1	1746.3	440.3	125.8
42.5°	2521.9	4498.2	6291.5	6974.1	7033.2	6082.1	4064.5	2239.3	553.9	136.1
45°	3567.8	5930.0	8317.6	9103.5	9178.6	8152.4	5794.8	3377.2	803.7	166.2
47.5°	4811.8	7175.0	9495.0	10251.7	10301.5	9131.6	6953.4	4693.5	1368.0	288.2
50°	5577.0	7636.0	9927.8	10649.8	10658.3	9453.7	7316.8	5377.0	1949.1	474.1
52.5°	5814.5	7695.1	9944.7	10817.9	10842.3	9416.1	7366.5	5515.0	2191.4	550.2
55°	5717.8	7660.4	10123.1	11139.0	11165.3	9569.2	7332.7	5363.9	2077.8	527.7
57.5°	5497.2	7795.6	10416.0	11520.2	11520.2	9851.8	7457.6	5110.4	1799.9	479.8
58°	5464.3	7829.4	10432.0	11540.8	11532.4	9869.6	7509.2	5073.8	1738.8	461.9
60°	5419.3	7933.6	10313.7	11235.7	11211.3	9743.8	7603.1	5040.9	1443.1	362.4
62.5°	5353.5	7698.9	9451.8	10338.1	10275.2	8862.2	7333.7	4848.4	1076.9	269.5
65°	5016.5	6832.3	7879.2	8493.2	8473.5	7290.5	6312.2	4343.3	775.5	200.0
67.5°	4228.8	5348.9	6364.7	7104.6	7109.3	5951.6	4936.7	3471.1	527.7	159.6
70°	2974.4	3945.2	5410.8	6234.2	6271.8	4992.1	3657.0	2313.4	348.3	137.1
72.5°	1776.4	2980.0	4499.2	5124.5	5104.7	4142.4	2713.4	1379.2	212.2	122.1
75°	861.0	1781.1	2274.0	2637.3	2622.3	2072.1	1445.9	676.0	154.9	109.9
77.5°	233.8	547.4	880.7	1145.4	1176.4	830.0	474.1	181.2	96.7	82.6
80°	78.9	169.0	287.3	390.6	400.9	358.7	178.4	63.8	42.3	41.3
82.5°	30.0	41.3	52.6	46.9	46.9	48.8	38.5	27.2	19.7	16.9
85°	0.0	0.0	0.9	1.9	1.9	2.8	2.8	2.8	1.9	1.9
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: SP1-2407-184-5

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-735-U-5WQ

Data in this report applies to families of products including GSS-SB1A-735-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

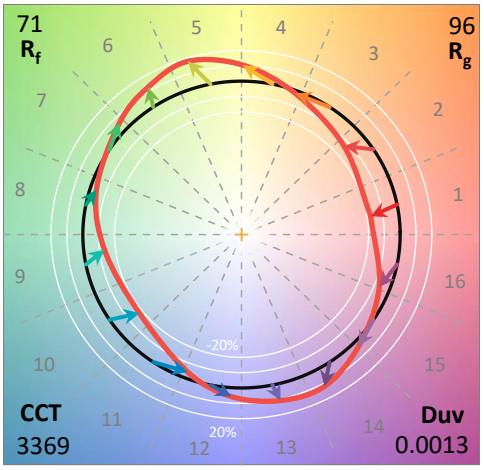
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-5
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-735-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 3500K CCT 26 LEDS

Spectral Parameters

CCT (K):	3369
CIE u':	0.2386
CIE v':	0.5156
Duv:	0.0013
CIE x:	0.4143
CIE y:	0.3980
CIE z:	0.1877
Peak Wavelength (nm):	590
Dominant Wavelength (nm):	580
Purity:	43.80166
Rf:	71.4
Rg:	96

CRI (Ra):	70.1
R1:	66.6
R2:	77.6
R3:	88.5
R4:	69.5
R5:	66.4
R6:	69.6
R7:	77.5
R8:	44.9
R9:	-40.2
R10:	49.1
R11:	66.3
R12:	45.7
R13:	68.0
R14:	93.4
R15:	57.6



Test Conditions

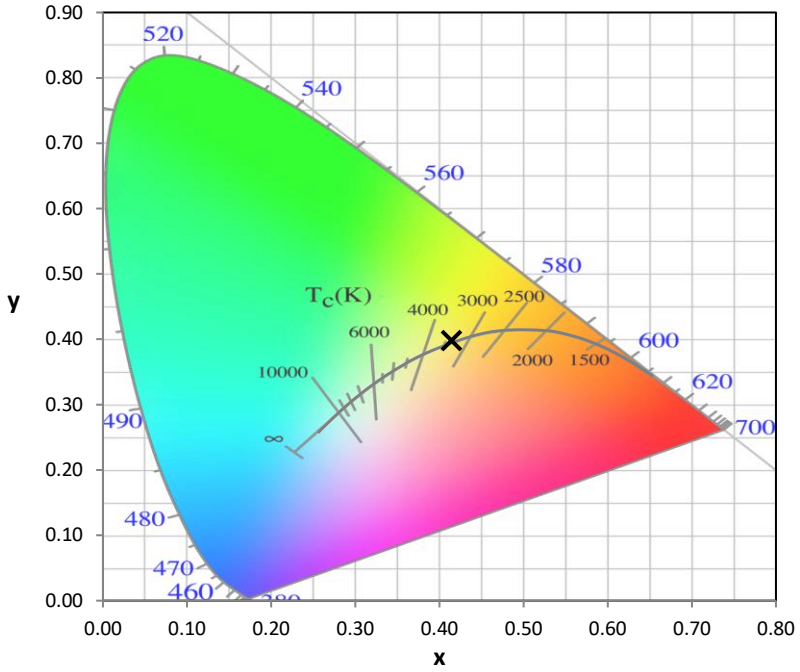
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-5

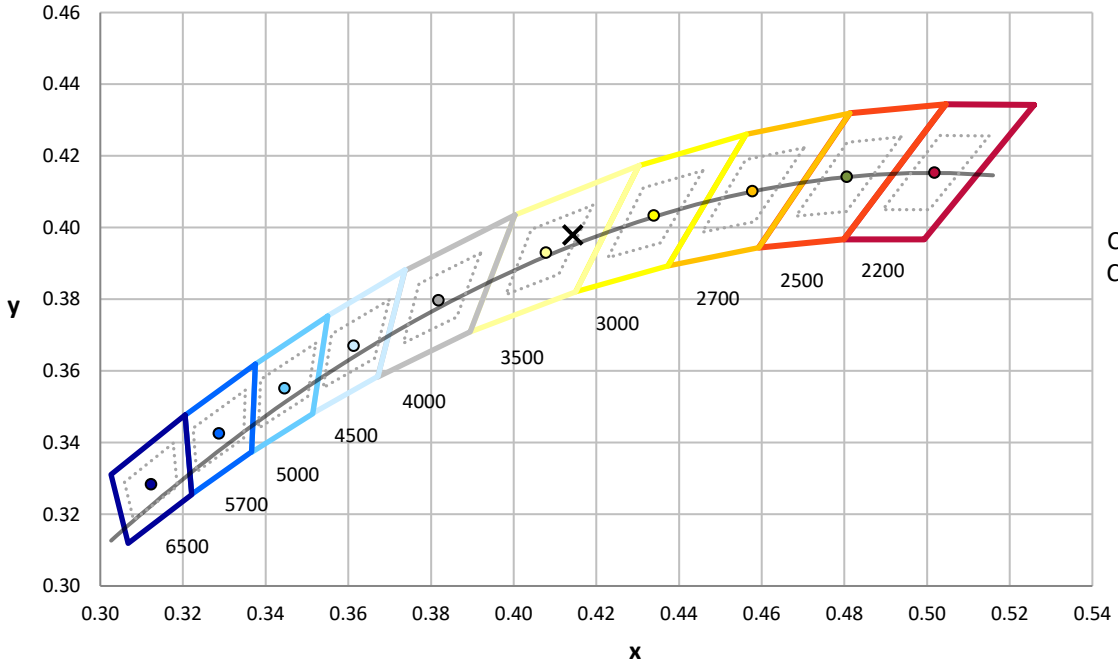
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-5

CIE 1931 Chromaticity Diagram



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

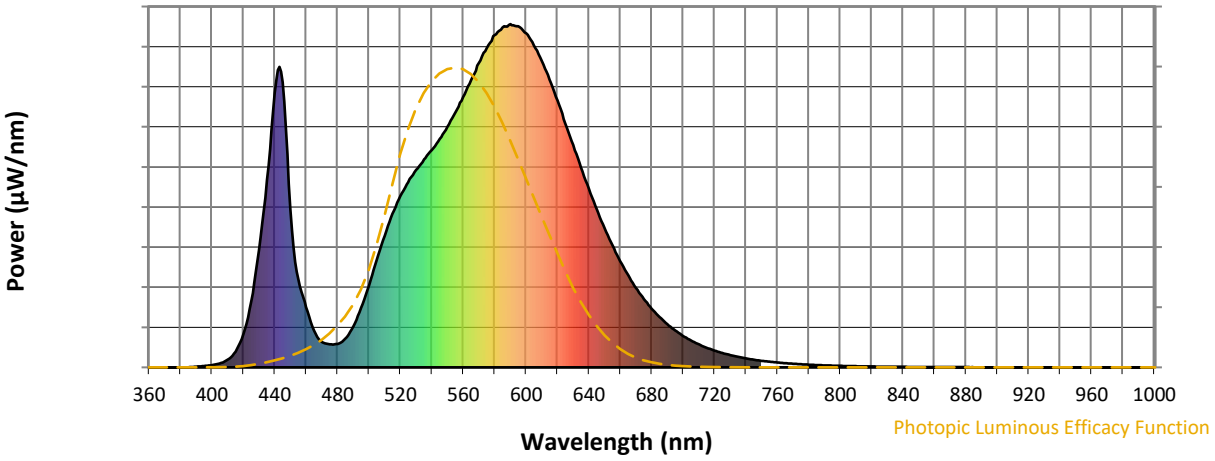


CCT = 3369K
CIE x = 0.4143
CIE y = 0.3980
Duv = 0.0013

Point lies inside the ANSI 3500K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-5

Photopic Flux vs. Wavelength

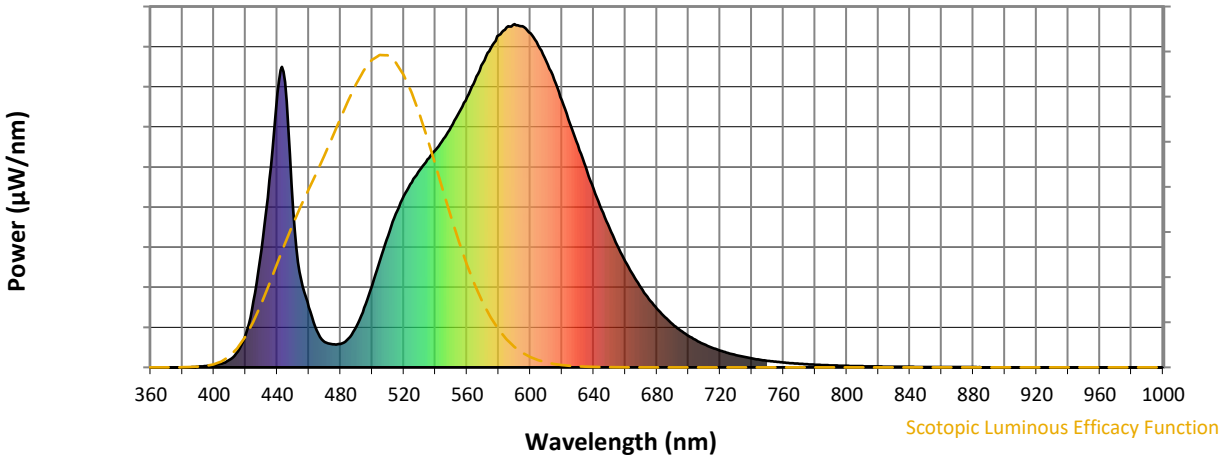


Photopic Lumens: NR

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	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630	648	NR	760	14	NR	890	0	NR
375	0	NR	505	313	NR	635	582	NR	765	12	NR	895	0	NR
380	0	NR	510	383	NR	640	520	NR	770	11	NR	900	0	NR
385	0	NR	515	448	NR	645	460	NR	775	9	NR	905	0	NR
390	2	NR	520	500	NR	650	406	NR	780	8	NR	910	0	NR
395	4	NR	525	539	NR	655	355	NR	785	7	NR	915	0	NR
400	6	NR	530	575	NR	660	309	NR	790	6	NR	920	0	NR
405	11	NR	535	606	NR	665	269	NR	795	5	NR	925	0	NR
410	22	NR	540	633	NR	670	231	NR	800	4	NR	930	0	NR
415	45	NR	545	666	NR	675	199	NR	805	4	NR	935	0	NR
420	96	NR	550	701	NR	680	171	NR	810	3	NR	940	0	NR
425	193	NR	555	743	NR	685	147	NR	815	3	NR	945	0	NR
430	341	NR	560	788	NR	690	126	NR	820	3	NR	950	0	NR
435	547	NR	565	837	NR	695	107	NR	825	2	NR	955	0	NR
440	799	NR	570	887	NR	700	92	NR	830	2	NR	960	0	NR
445	831	NR	575	931	NR	705	78	NR	835	2	NR	965	0	NR
450	461	NR	580	967	NR	710	67	NR	840	2	NR	970	0	NR
455	256	NR	585	990	NR	715	57	NR	845	1	NR	975	0	NR
460	176	NR	590	1000	NR	720	49	NR	850	1	NR	980	0	NR
465	107	NR	595	994	NR	725	42	NR	855	1	NR	985	0	NR
470	74	NR	600	973	NR	730	36	NR	860	1	NR	990	0	NR
475	67	NR	605	938	NR	735	31	NR	865	1	NR	995	0	NR
480	68	NR	610	892	NR	740	26	NR	870	1	NR	1000	0	NR
485	84	NR	615	838	NR	745	22	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-5

Scotopic Flux vs. Wavelength

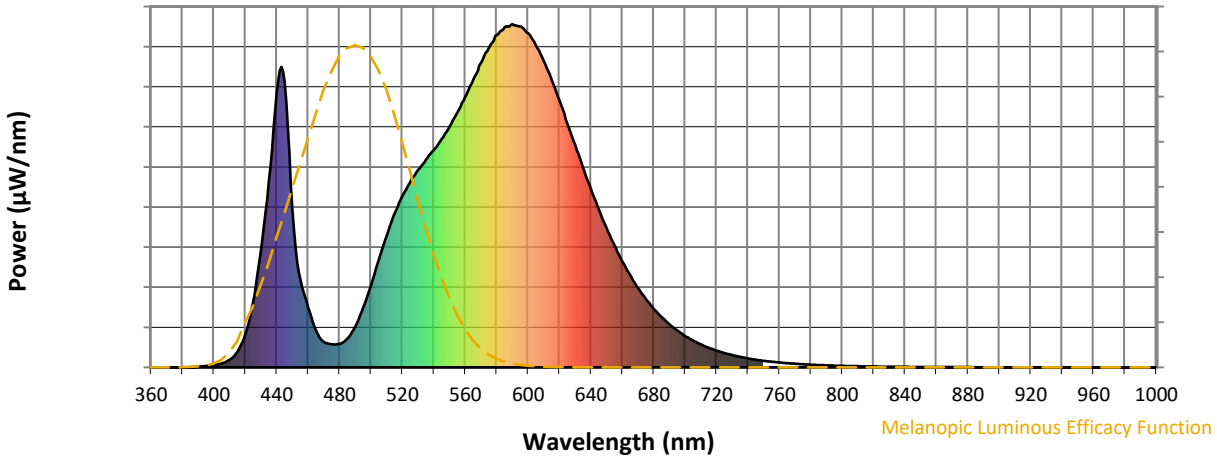


Scotopic Lumens: NR **S/P: 1.29**

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	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630	648	NR	760	14	NR	890	0	NR
375	0	NR	505	313	NR	635	582	NR	765	12	NR	895	0	NR
380	0	NR	510	383	NR	640	520	NR	770	11	NR	900	0	NR
385	0	NR	515	448	NR	645	460	NR	775	9	NR	905	0	NR
390	2	NR	520	500	NR	650	406	NR	780	8	NR	910	0	NR
395	4	NR	525	539	NR	655	355	NR	785	7	NR	915	0	NR
400	6	NR	530	575	NR	660	309	NR	790	6	NR	920	0	NR
405	11	NR	535	606	NR	665	269	NR	795	5	NR	925	0	NR
410	22	NR	540	633	NR	670	231	NR	800	4	NR	930	0	NR
415	45	NR	545	666	NR	675	199	NR	805	4	NR	935	0	NR
420	96	NR	550	701	NR	680	171	NR	810	3	NR	940	0	NR
425	193	NR	555	743	NR	685	147	NR	815	3	NR	945	0	NR
430	341	NR	560	788	NR	690	126	NR	820	3	NR	950	0	NR
435	547	NR	565	837	NR	695	107	NR	825	2	NR	955	0	NR
440	799	NR	570	887	NR	700	92	NR	830	2	NR	960	0	NR
445	831	NR	575	931	NR	705	78	NR	835	2	NR	965	0	NR
450	461	NR	580	967	NR	710	67	NR	840	2	NR	970	0	NR
455	256	NR	585	990	NR	715	57	NR	845	1	NR	975	0	NR
460	176	NR	590	1000	NR	720	49	NR	850	1	NR	980	0	NR
465	107	NR	595	994	NR	725	42	NR	855	1	NR	985	0	NR
470	74	NR	600	973	NR	730	36	NR	860	1	NR	990	0	NR
475	67	NR	605	938	NR	735	31	NR	865	1	NR	995	0	NR
480	68	NR	610	892	NR	740	26	NR	870	1	NR	1000	0	NR
485	84	NR	615	838	NR	745	22	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-5

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.36**

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	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630	648	NR	760	14	NR	890	0	NR
375	0	NR	505	313	NR	635	582	NR	765	12	NR	895	0	NR
380	0	NR	510	383	NR	640	520	NR	770	11	NR	900	0	NR
385	0	NR	515	448	NR	645	460	NR	775	9	NR	905	0	NR
390	2	NR	520	500	NR	650	406	NR	780	8	NR	910	0	NR
395	4	NR	525	539	NR	655	355	NR	785	7	NR	915	0	NR
400	6	NR	530	575	NR	660	309	NR	790	6	NR	920	0	NR
405	11	NR	535	606	NR	665	269	NR	795	5	NR	925	0	NR
410	22	NR	540	633	NR	670	231	NR	800	4	NR	930	0	NR
415	45	NR	545	666	NR	675	199	NR	805	4	NR	935	0	NR
420	96	NR	550	701	NR	680	171	NR	810	3	NR	940	0	NR
425	193	NR	555	743	NR	685	147	NR	815	3	NR	945	0	NR
430	341	NR	560	788	NR	690	126	NR	820	3	NR	950	0	NR
435	547	NR	565	837	NR	695	107	NR	825	2	NR	955	0	NR
440	799	NR	570	887	NR	700	92	NR	830	2	NR	960	0	NR
445	831	NR	575	931	NR	705	78	NR	835	2	NR	965	0	NR
450	461	NR	580	967	NR	710	67	NR	840	2	NR	970	0	NR
455	256	NR	585	990	NR	715	57	NR	845	1	NR	975	0	NR
460	176	NR	590	1000	NR	720	49	NR	850	1	NR	980	0	NR
465	107	NR	595	994	NR	725	42	NR	855	1	NR	985	0	NR
470	74	NR	600	973	NR	730	36	NR	860	1	NR	990	0	NR
475	67	NR	605	938	NR	735	31	NR	865	1	NR	995	0	NR
480	68	NR	610	892	NR	740	26	NR	870	1	NR	1000	0	NR
485	84	NR	615	838	NR	745	22	NR	875	1	NR			

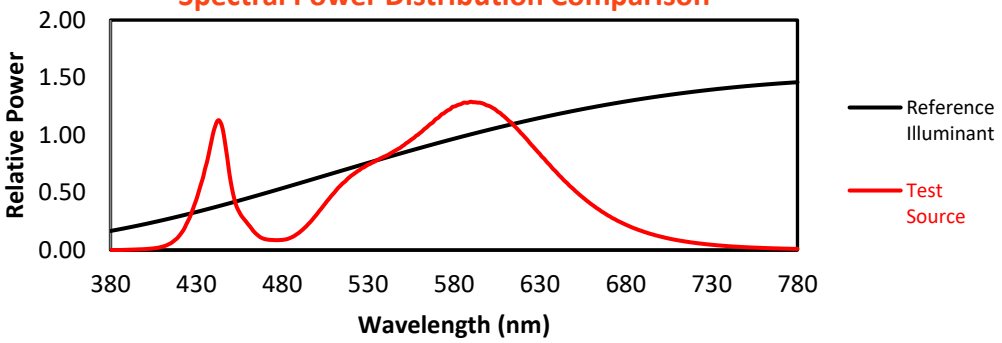
REPORT NUMBER: SP1-2407-184-5

TM-30-18

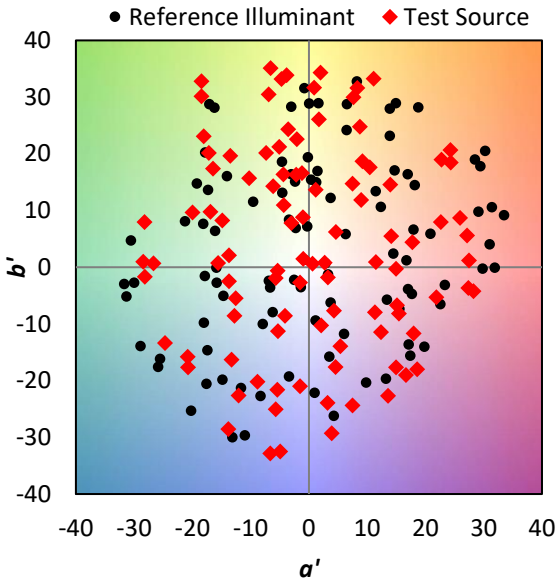
Summary

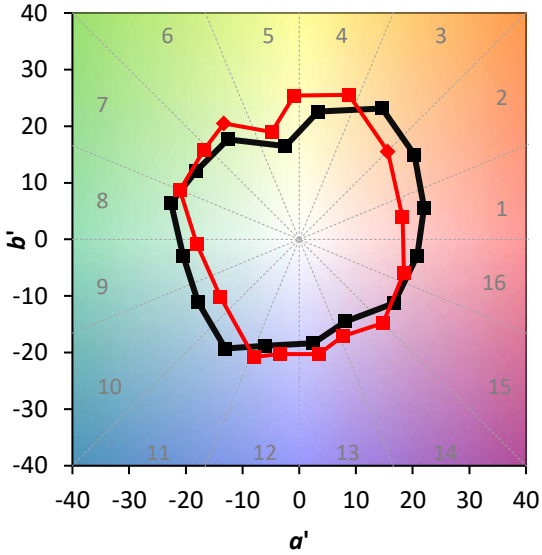
R_f = 71.4
R_g = 96
CIE R_a = 70.1
R_9 = -40.2

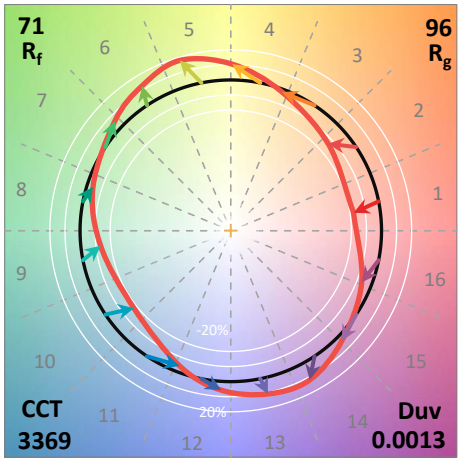
Spectral Power Distribution Comparison

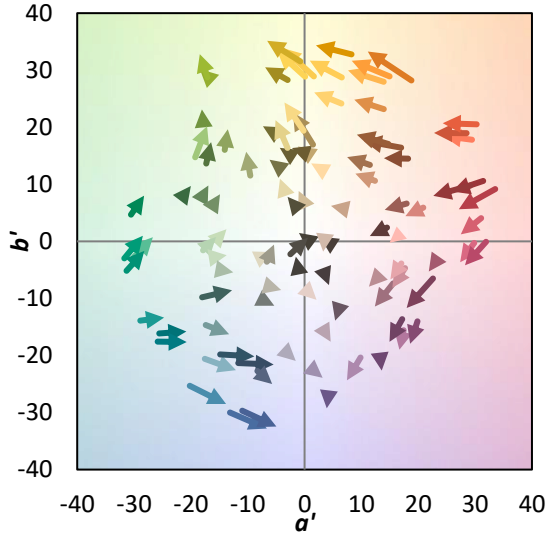


Color Vector Graphics







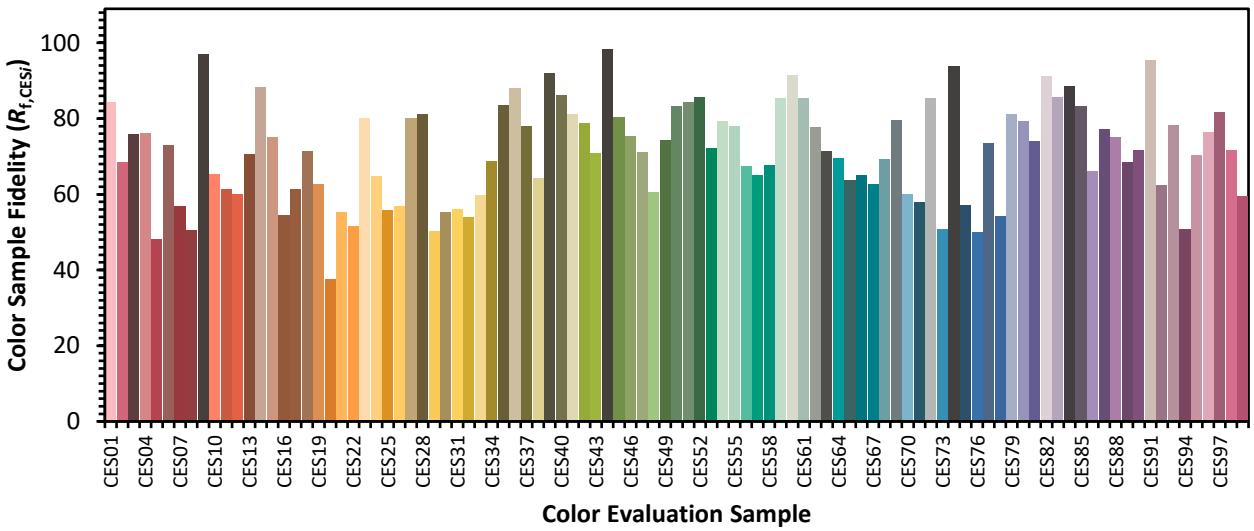


REPORT NUMBER: SP1-2407-184-5

TM-30-18

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

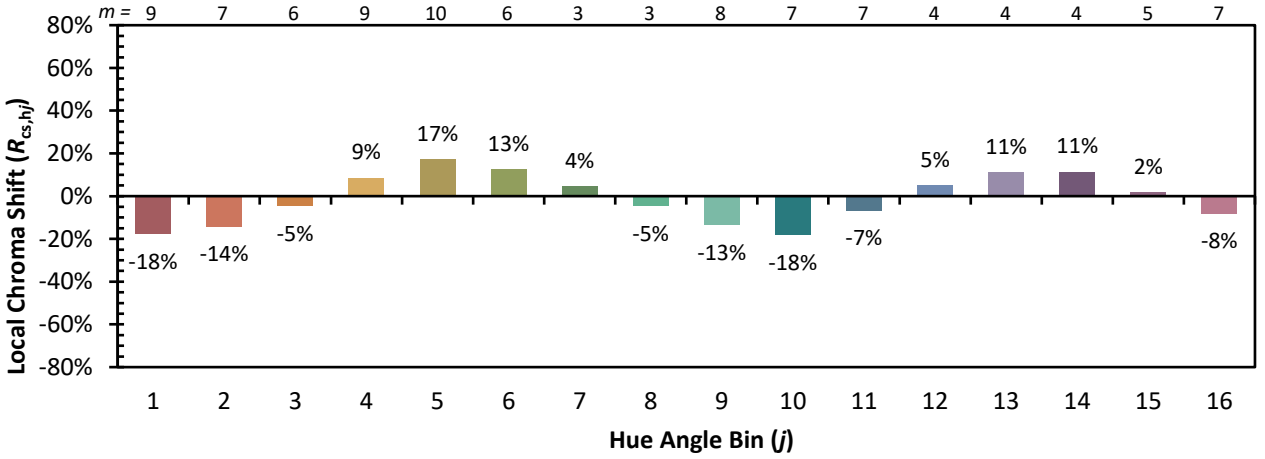
CES01 = 86	CES26 = 57	CES51 = 84	CES76 = 50
CES02 = 62	CES27 = 80	CES52 = 86	CES77 = 74
CES03 = 31	CES28 = 81	CES53 = 72	CES78 = 54
CES04 = 70	CES29 = 50	CES54 = 79	CES79 = 81
CES05 = 48	CES30 = 55	CES55 = 78	CES80 = 79
CES06 = 51	CES31 = 56	CES56 = 67	CES81 = 74
CES07 = 40	CES32 = 54	CES57 = 65	CES82 = 91
CES08 = 39	CES33 = 60	CES58 = 68	CES83 = 86
CES09 = 29	CES34 = 69	CES59 = 85	CES84 = 89
CES10 = 75	CES35 = 83	CES60 = 91	CES85 = 83
CES11 = 58	CES36 = 88	CES61 = 85	CES86 = 66
CES12 = 64	CES37 = 78	CES62 = 78	CES87 = 77
CES13 = 43	CES38 = 64	CES63 = 71	CES88 = 75
CES14 = 74	CES39 = 92	CES64 = 70	CES89 = 68
CES15 = 71	CES40 = 86	CES65 = 64	CES90 = 72
CES16 = 47	CES41 = 81	CES66 = 65	CES91 = 95
CES17 = 50	CES42 = 79	CES67 = 63	CES92 = 62
CES18 = 56	CES43 = 71	CES68 = 69	CES93 = 78
CES19 = 72	CES44 = 98	CES69 = 80	CES94 = 51
CES20 = 65	CES45 = 80	CES70 = 60	CES95 = 70
CES21 = 87	CES46 = 75	CES71 = 58	CES96 = 76
CES22 = 79	CES47 = 71	CES72 = 85	CES97 = 82
CES23 = 92	CES48 = 61	CES73 = 51	CES98 = 72
CES24 = 91	CES49 = 74	CES74 = 94	CES99 = 60
CES25 = 72	CES50 = 83	CES75 = 57	

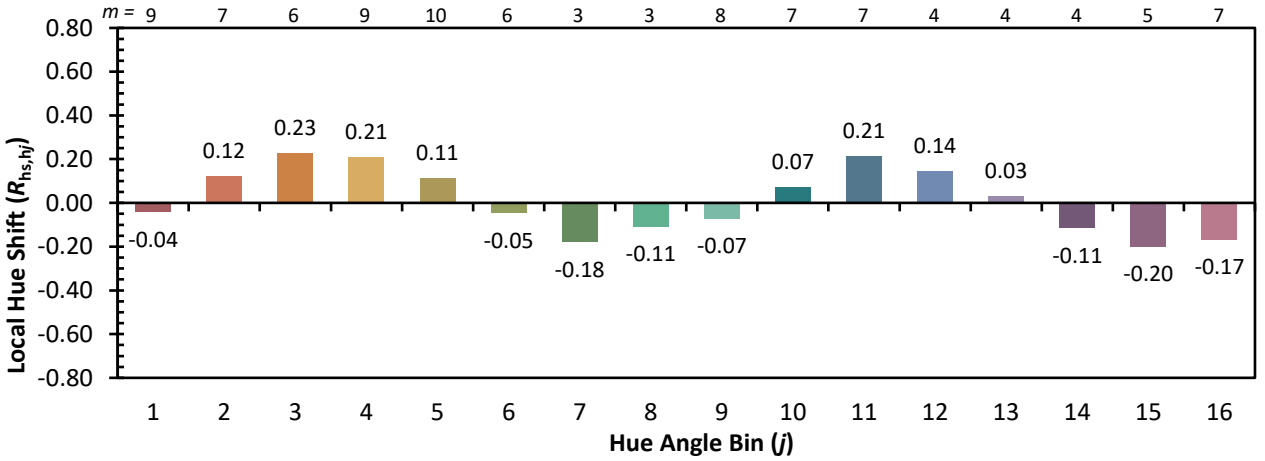


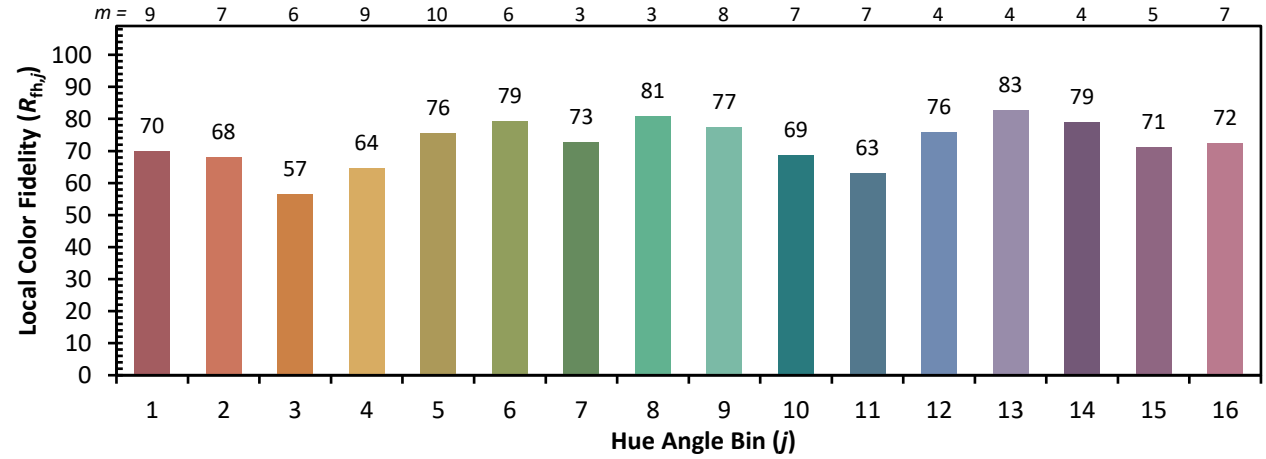
REPORT NUMBER: SP1-2407-184-5

TM-30-18

Color Rendition by Hue-Angle Bin



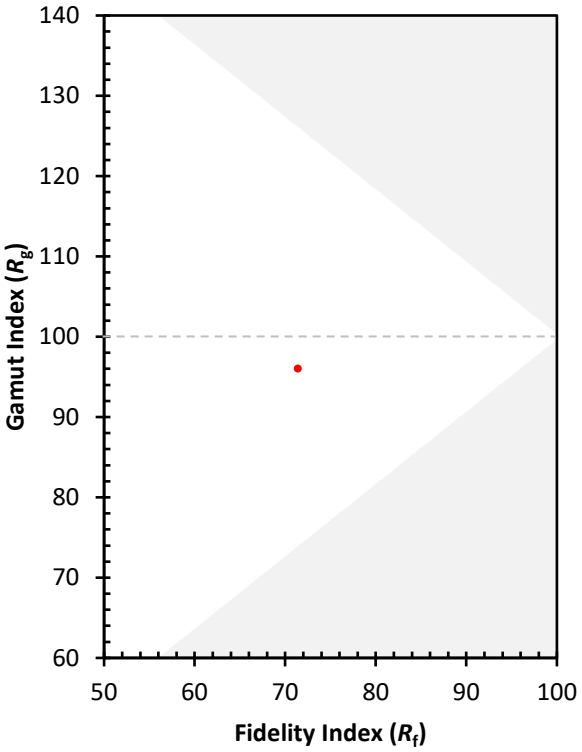


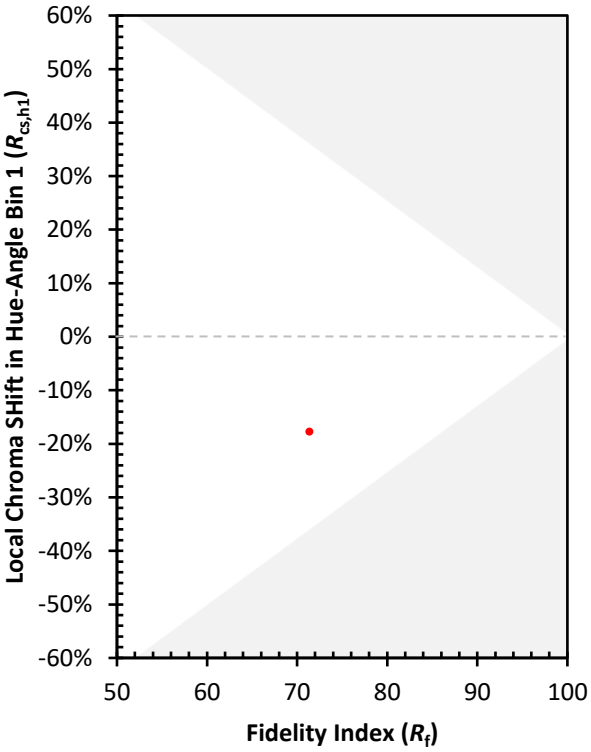


REPORT NUMBER: SP1-2407-184-5

TM-30-18

Measure Comparisons





(END OF REPORT)