

Signify Classified - Internal
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: P1057671

Luminaire Tested: **GAP-SA1B-735-U-RBC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1057671
Test Lab: INNOVATION CENTER(G1)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAP-SA1B-735-U-RBC
Description: GALLEON PEDESTRAIAN COMPANION 800mA 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: 3806.7 lumens
Efficiency: N/A
Efficacy: 99.9 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): 38.1
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

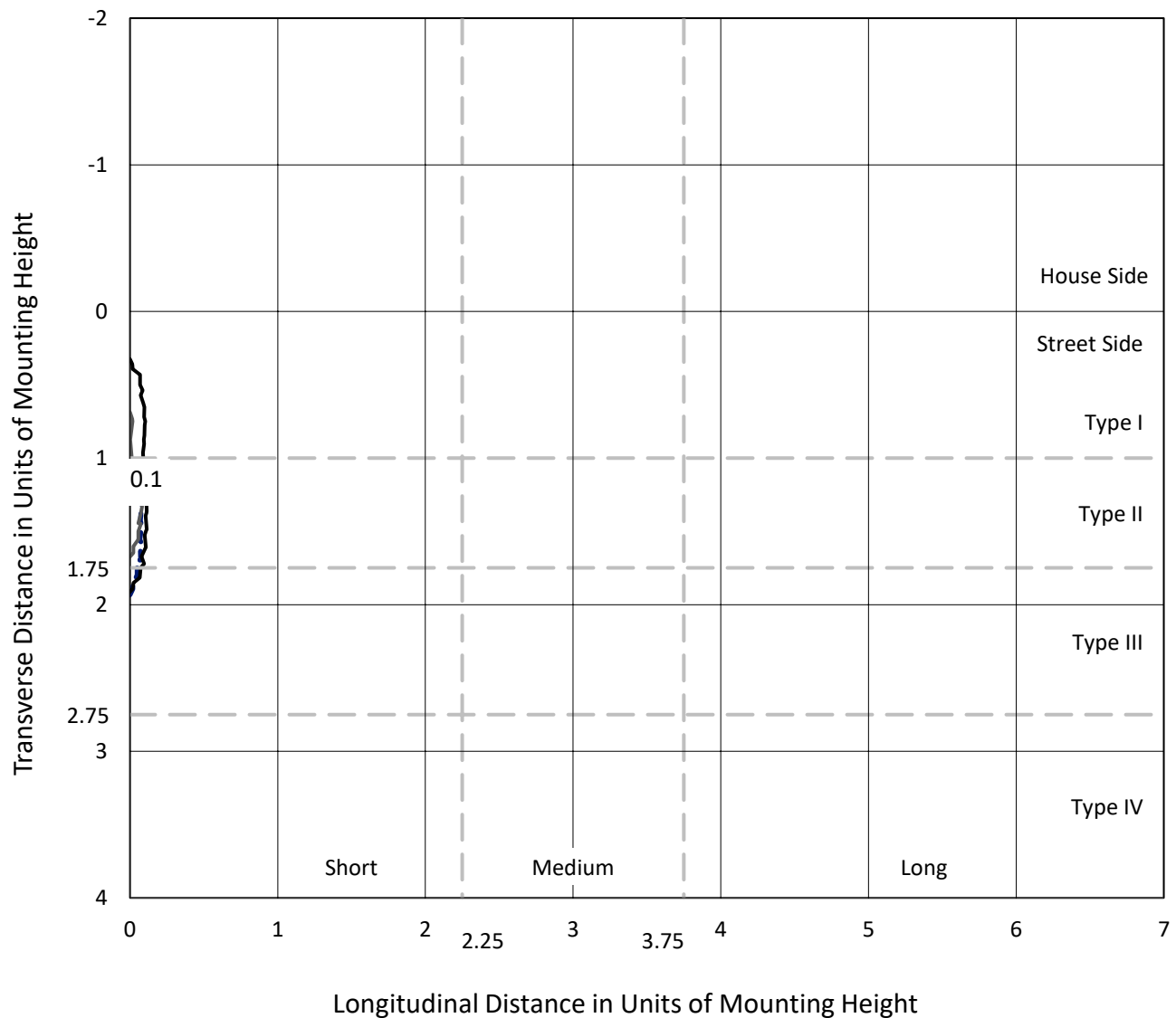


REPORT NUMBER: P1057671

CATALOG NUMBER: GAP-SA1B-735-U-RBC

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

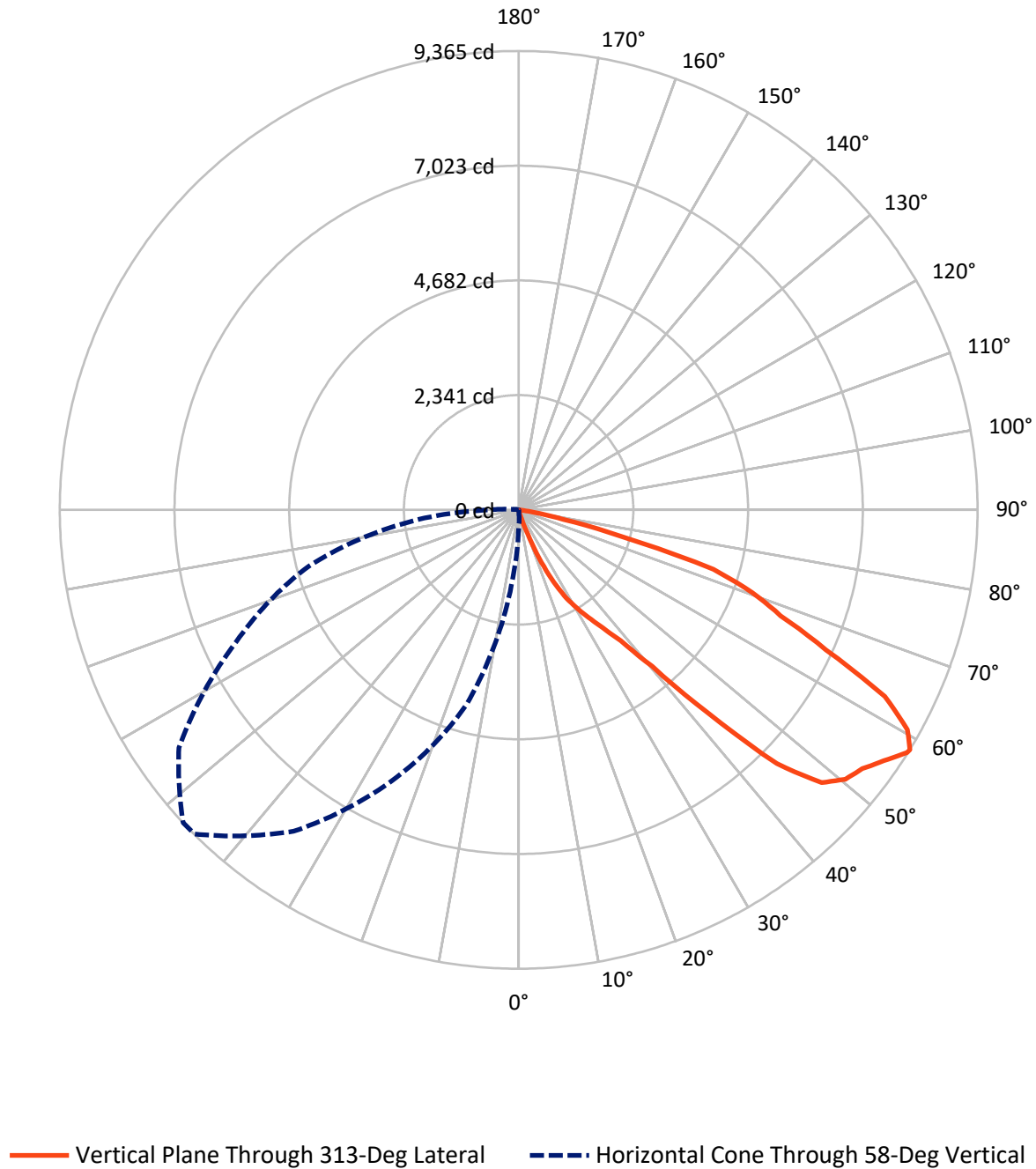


Based on 15 foot mounting height. Maximum calculated value = 0.5 fc
 Type III - Short - N/A

REPORT NUMBER: P1057671

CATALOG NUMBER: GAP-SA1B-735-U-RBC

Luminous Intensity Polar Plot



REPORT NUMBER: P1057671

CATALOG NUMBER: GAP-SA1B-735-U-RBC

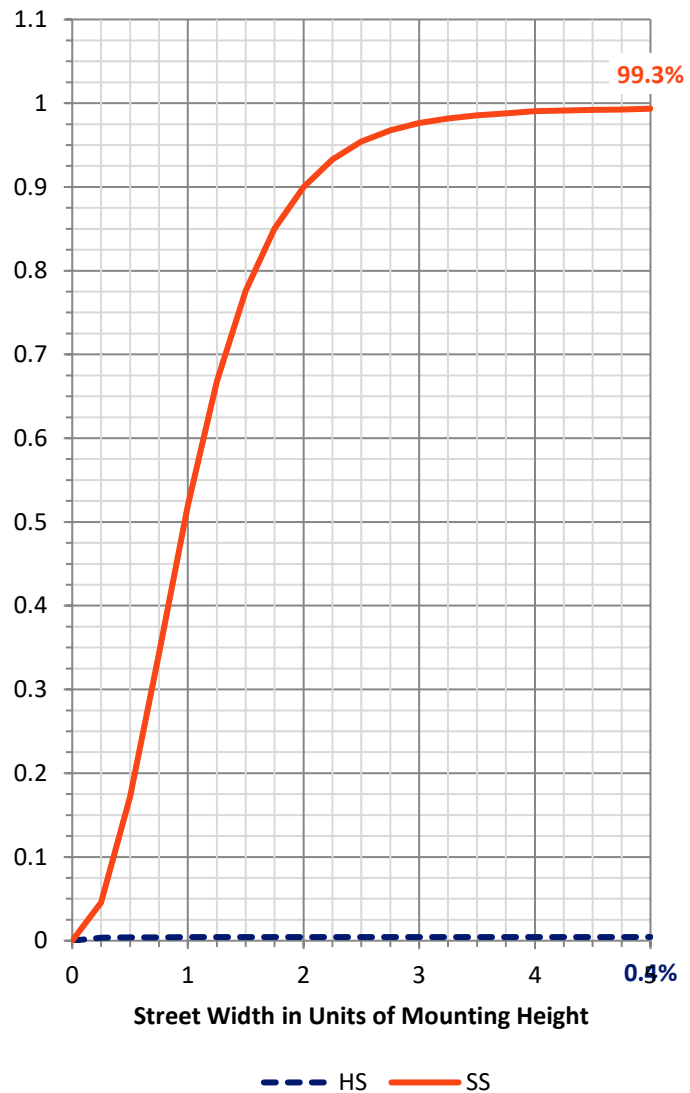
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17.0	0.0	17.0
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	3789.7	0.0	3789.7
	% Fixture	99.6	0.0	99.6
Total	Lumens	3806.7	0.0	3806.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.6	0.0
10°-20°	6.6	0.2
20°-30°	96.1	2.5
30°-40°	276.4	7.3
40°-50°	787.3	20.7
50°-60°	1238.3	32.5
60°-70°	1056.0	27.7
70°-80°	336.9	8.8
80°-90°	8.6	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°	3806.7	100.0
0°-180°	3806.7	100.0



REPORT NUMBER: P1057671

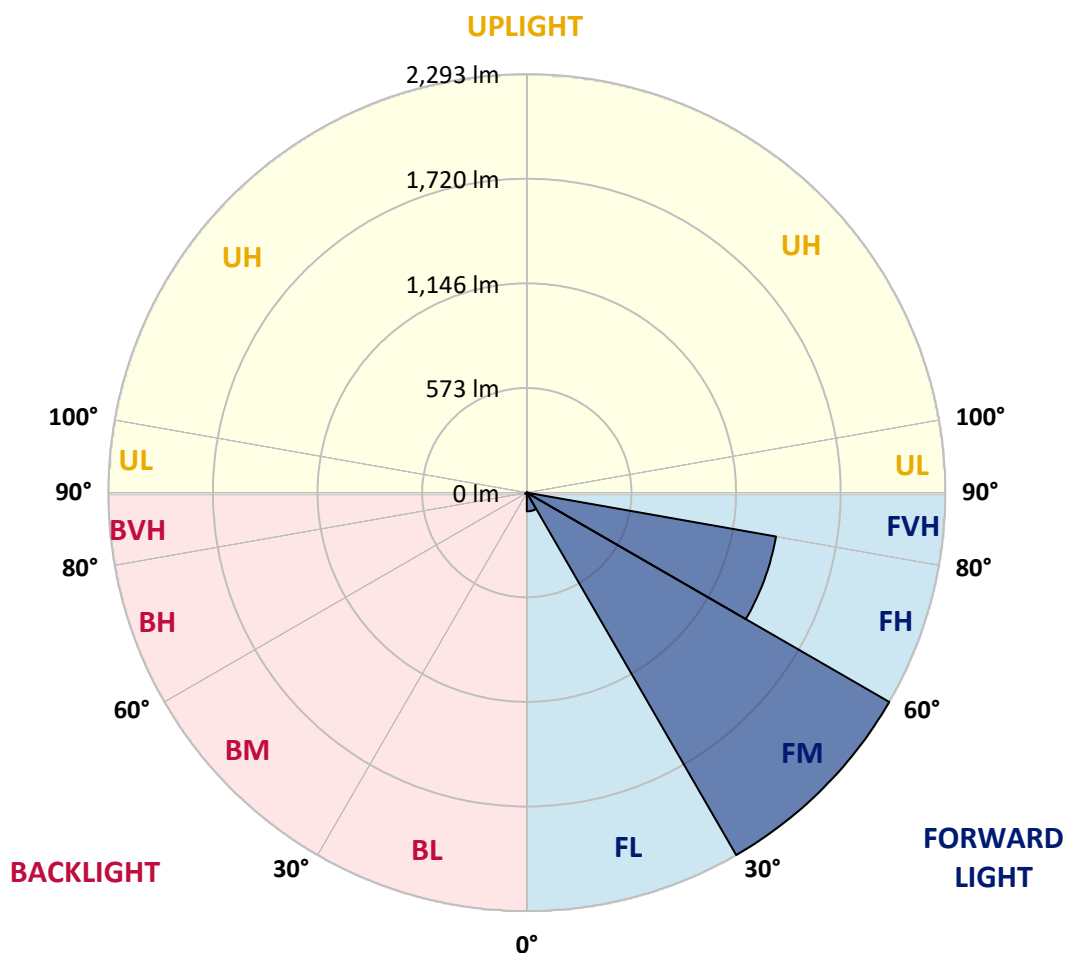
CATALOG NUMBER: GAP-SA1B-735-U-RBC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	102.6	2.7			
FM	(30°-60°)	2292.8	60.2			
FH	(60°-80°)	1386.1	36.4			G1/1800
FVH	(80°-90°)	8.1	0.2			G0/10
BL	(0°-30°)	0.7	0.0	B0/110		
BM	(30°-60°)	9.1	0.2	B0/220		
BH	(60°-80°)	6.8	0.2	B0/110		G0/110
BVH	(80°-90°)	0.5	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





REPORT NUMBER: P1057671

CATALOG NUMBER: GAP-SA1B-735-U-RBC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
2.5°	13.7	14.5	15.2	14.5	13.0	9.9	9.9	7.6	5.3	3.0	2.3
5°	15.2	15.2	15.2	14.5	13.0	9.9	9.1	6.9	4.6	3.0	1.5
7.5°	16.8	16.8	16.0	14.5	12.2	9.9	9.1	6.9	4.6	2.3	0.0
10°	18.3	18.3	16.8	15.2	12.2	9.1	8.4	6.1	3.8	1.5	0.0
12.5°	20.6	19.8	17.5	15.2	12.2	8.4	8.4	6.1	3.0	0.8	0.0
15°	23.6	21.3	18.3	15.2	11.4	8.4	7.6	5.3	2.3	0.0	0.0
17.5°	25.9	23.6	19.0	14.5	10.7	7.6	6.9	4.6	2.3	0.0	0.0
20°	28.2	24.4	19.0	14.5	10.7	6.9	6.1	3.8	0.8	0.0	0.0
22.5°	32.0	25.9	19.0	14.5	9.9	6.1	5.3	3.0	0.0	0.0	0.0
25°	39.6	27.4	19.0	13.7	9.1	5.3	4.6	1.5	0.0	0.0	0.0
27.5°	48.8	29.7	19.0	13.0	8.4	4.6	3.8	0.8	0.0	0.0	0.0
30°	58.7	32.0	19.0	13.0	7.6	3.8	3.0	0.0	0.0	0.0	0.0
32.5°	69.3	35.0	19.0	12.2	6.9	3.0	2.3	0.0	0.0	0.0	0.0
35°	89.1	39.6	19.0	12.2	6.1	2.3	1.5	0.0	0.0	0.0	0.0
37.5°	98.3	45.7	19.0	11.4	6.1	1.5	0.8	0.0	0.0	0.0	0.0
40°	102.1	44.2	18.3	11.4	5.3	0.8	0.0	0.0	0.0	0.0	0.0
42.5°	110.5	41.1	19.0	10.7	5.3	0.8	0.0	0.0	0.0	0.0	0.0
45°	134.8	41.1	20.6	10.7	4.6	1.5	0.0	0.0	0.0	0.0	0.0
47.5°	233.9	42.7	19.8	10.7	4.6	1.5	0.0	0.0	0.0	0.0	0.0
50°	384.7	50.3	19.0	11.4	5.3	0.8	0.0	0.0	0.0	0.0	0.0
52.5°	446.4	60.9	19.0	12.2	6.9	0.0	0.0	0.0	0.0	0.0	0.0
55°	428.2	74.7	19.0	13.0	8.4	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	389.3	70.9	20.6	15.2	10.7	0.0	0.0	0.0	0.0	0.0	0.0
58°	374.8	70.9	20.6	15.2	10.7	0.0	0.0	0.0	0.0	0.0	0.0
60°	294.1	72.4	23.6	16.8	11.4	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	218.6	73.9	26.7	19.0	11.4	0.8	0.0	0.0	0.0	0.0	0.0
65°	162.3	76.9	28.2	22.1	10.7	1.5	0.0	0.0	0.0	0.0	0.0
67.5°	129.5	79.2	30.5	24.4	12.2	3.0	0.8	0.0	0.0	0.0	0.0
70°	111.2	76.2	32.8	25.1	11.4	4.6	2.3	0.0	0.0	0.0	0.0
72.5°	99.0	71.6	37.3	24.4	12.2	4.6	2.3	0.0	0.0	0.0	0.0
75°	89.1	65.5	42.7	23.6	12.2	4.6	3.0	0.0	0.0	0.0	0.0
77.5°	67.0	57.1	41.9	22.9	11.4	4.6	3.0	0.0	0.0	0.0	0.0
80°	33.5	38.1	36.6	20.6	9.1	3.8	3.0	0.8	0.0	0.0	0.0
82.5°	13.7	14.5	18.3	15.2	7.6	3.0	3.0	0.8	0.0	0.0	0.0
85°	1.5	3.0	5.3	6.1	5.3	3.0	3.0	0.8	0.0	0.0	0.0
87.5°	0.0	0.8	3.0	4.6	3.8	2.3	1.5	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



REPORT NUMBER: P1057671

CATALOG NUMBER: GAP-SA1B-735-U-RBC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
2.5°	1.5	1.5	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
5°	0.8	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



REPORT NUMBER: P1057671

CATALOG NUMBER: GAP-SA1B-735-U-RBC

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
2.5°	0.8	1.5	1.5	1.5	2.3	2.3	3.0	3.8	3.8	3.8	4.6
5°	0.0	0.0	0.8	0.8	1.5	2.3	3.0	4.6	5.3	5.3	6.1
7.5°	0.0	0.0	0.0	0.8	1.5	2.3	3.0	4.6	6.1	6.9	7.6
10°	0.0	0.0	0.0	0.0	0.8	1.5	3.0	5.3	7.6	9.1	10.7
12.5°	0.0	0.0	0.0	0.0	0.0	0.8	3.0	6.1	9.1	11.4	13.0
15°	0.0	0.0	0.0	0.0	0.0	0.8	3.0	6.1	11.4	13.7	16.8
17.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.0	6.9	13.0	16.8	22.9
20°	0.0	0.0	0.0	0.0	0.0	0.0	2.3	6.9	14.5	20.6	34.3
22.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.3	6.9	16.0	26.7	63.2
25°	0.0	0.0	0.0	0.0	0.0	0.0	1.5	6.9	18.3	39.6	105.1
27.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.5	7.6	22.1	55.6	153.9
30°	0.0	0.0	0.0	0.0	0.0	0.0	1.5	7.6	27.4	75.4	214.8
32.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.8	7.6	32.0	95.2	292.5
35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.9	38.1	126.5	367.2
37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.9	47.2	139.4	430.4
40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.1	44.9	151.6	502.8
42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.9	41.1	169.1	616.3
45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.9	41.1	224.0	867.7
47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.1	50.3	348.9	1326.4
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6	64.8	535.6	1888.6
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	78.5	659.0	2214.7
55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	94.5	659.7	2204.0
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6	105.1	590.4	1989.2
58°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.3	104.4	571.4	1929.7
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.8	7.6	91.4	496.0	1684.4
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.0	12.2	80.0	355.8	1396.4
65°	0.0	0.0	0.0	0.0	0.0	0.0	6.1	13.7	73.1	258.3	1048.3
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	7.6	16.0	70.1	182.8	729.1
70°	0.0	0.0	0.0	0.0	0.0	0.0	9.1	18.3	64.8	131.0	480.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	9.1	22.9	60.9	102.8	289.5
75°	0.0	0.0	0.0	0.0	0.0	0.0	9.1	28.9	53.3	83.8	155.4
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	9.1	31.2	44.2	60.9	94.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	8.4	28.2	32.0	26.7	32.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	4.6	16.8	6.9	6.9	10.7
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

REPORT NUMBER: P1057671

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CANDELA DISTRIBUTION (continued):

	285°	295°	305°	313°	315°	325°	335°	345°	355°	360°
0°	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
2.5°	5.3	5.3	5.3	5.3	6.1	6.1	8.4	10.7	13.0	13.7
5°	6.9	7.6	8.4	8.4	8.4	9.1	10.7	12.2	14.5	15.2
7.5°	9.9	10.7	12.2	12.2	12.2	13.0	13.7	15.2	16.8	16.8
10°	13.0	15.2	16.0	16.8	17.5	17.5	17.5	18.3	19.0	18.3
12.5°	17.5	20.6	24.4	25.1	25.1	25.1	24.4	22.9	21.3	20.6
15°	24.4	33.5	45.7	50.3	48.0	42.7	37.3	28.9	25.1	23.6
17.5°	44.9	91.4	166.1	183.6	179.8	154.7	90.7	44.2	29.7	25.9
20°	121.1	295.6	487.6	534.0	558.4	462.4	267.4	102.8	36.6	28.2
22.5°	261.3	614.0	951.5	1071.9	1079.5	868.5	520.3	208.7	52.6	32.0
25°	420.5	982.0	1442.2	1558.7	1561.0	1338.5	831.9	338.3	80.0	39.6
27.5°	644.5	1376.6	1891.6	1988.4	1986.9	1761.4	1202.2	516.5	112.0	48.8
30°	873.8	1684.4	2188.0	2308.4	2319.8	2050.1	1511.5	727.6	146.3	58.7
32.5°	1100.9	1912.2	2458.4	2618.4	2608.5	2305.3	1727.1	900.5	204.9	69.3
35°	1279.9	2106.5	2757.8	2954.4	2962.0	2585.7	1918.3	1068.1	255.2	89.1
37.5°	1433.0	2357.1	3156.3	3383.3	3393.2	2934.6	2118.7	1232.7	298.6	98.3
40°	1621.9	2768.5	3816.0	4201.5	4203.0	3585.2	2479.0	1417.0	357.3	102.1
42.5°	2046.3	3650.0	5105.1	5658.9	5706.9	4935.2	3298.0	1817.0	449.5	110.5
45°	2895.0	4811.8	6749.1	7386.8	7447.7	6615.0	4702.1	2740.3	652.1	134.8
47.5°	3904.4	5821.9	7704.4	8318.5	8358.9	7409.6	5642.2	3808.4	1110.0	233.9
50°	4525.3	6196.0	8055.7	8641.5	8648.4	7670.9	5937.0	4363.0	1581.6	384.7
52.5°	4718.0	6244.0	8069.4	8777.9	8797.7	7640.5	5977.4	4475.0	1778.1	446.4
55°	4639.6	6215.8	8214.1	9038.4	9059.8	7764.6	5949.9	4352.4	1685.9	428.2
57.5°	4460.5	6325.5	8451.8	9347.7	9347.7	7993.9	6051.3	4146.7	1460.4	389.3
58°	4433.9	6352.9	8464.8	9364.5	9357.6	8008.4	6093.2	4117.0	1410.9	374.8
60°	4397.3	6437.5	8368.8	9116.9	9097.1	7906.3	6169.3	4090.3	1170.9	294.1
62.5°	4344.0	6247.1	7669.4	8388.6	8337.5	7191.0	5950.7	3934.1	873.8	218.6
65°	4070.5	5543.9	6393.3	6891.6	6875.6	5915.7	5121.8	3524.3	629.3	162.3
67.5°	3431.3	4340.2	5164.5	5764.8	5768.6	4829.3	4005.7	2816.5	428.2	129.5
70°	2413.5	3201.2	4390.5	5058.6	5089.1	4050.7	2967.4	1877.2	282.6	111.2
72.5°	1441.4	2418.1	3650.7	4158.1	4142.1	3361.2	2201.7	1119.1	172.2	99.0
75°	698.6	1445.2	1845.2	2140.0	2127.8	1681.4	1173.2	548.5	125.7	89.1
77.5°	189.7	444.2	714.6	929.4	954.6	673.5	384.7	147.0	78.5	67.0
80°	64.0	137.1	233.1	316.9	325.3	291.0	144.7	51.8	34.3	33.5
82.5°	24.4	33.5	42.7	38.1	38.1	39.6	31.2	22.1	16.0	13.7
85°	0.0	0.0	0.8	1.5	1.5	2.3	2.3	2.3	1.5	1.5
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

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

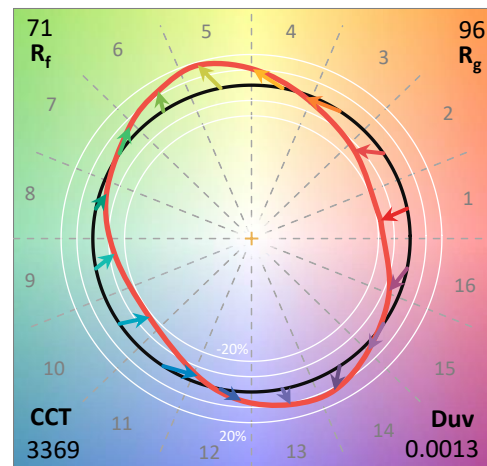
Data in this report applies to families of products including GSS-SB1A-735-U-5WQ

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	CRI (Ra):	70.1		
CIE u':	0.2386	R1:	66.6	R9:	-40.2
CIE v':	0.5156	R2:	77.6	R10:	49.1
Duv:	0.0013	R3:	88.5	R11:	66.3
CIE x:	0.4143	R4:	69.5	R12:	45.7
CIE y:	0.3980	R5:	66.4	R13:	68.0
CIE z:	0.1877	R6:	69.6	R14:	93.4
Peak Wavelength (nm):	590	R7:	77.5	R15:	57.6
Dominant Wavelength (nm):	580	R8:	44.9		
Purity:	43.80166				
Rf:	71.4				
Rg:	96				



Test Conditions

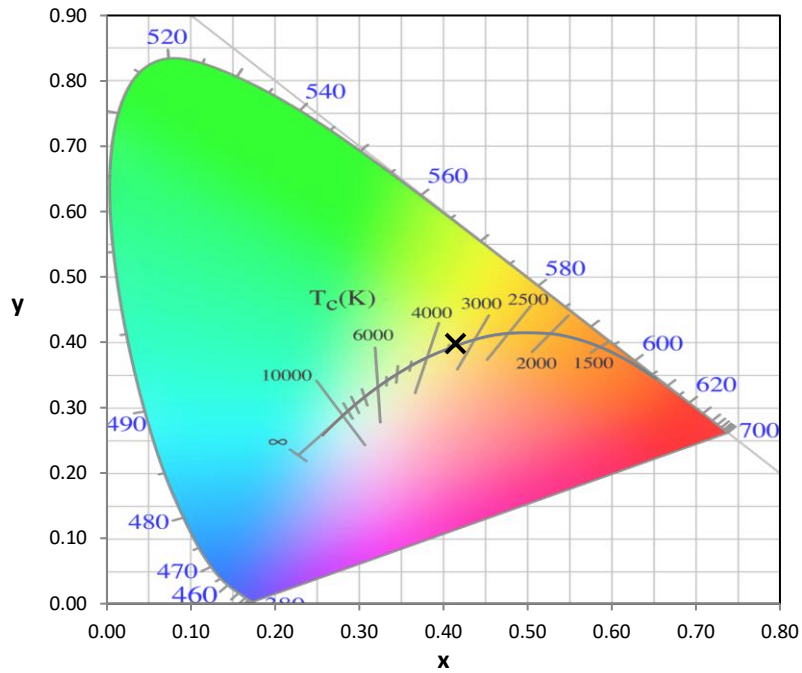
Stabilization Time: 21M
 Operation Time: 1H 21M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-5

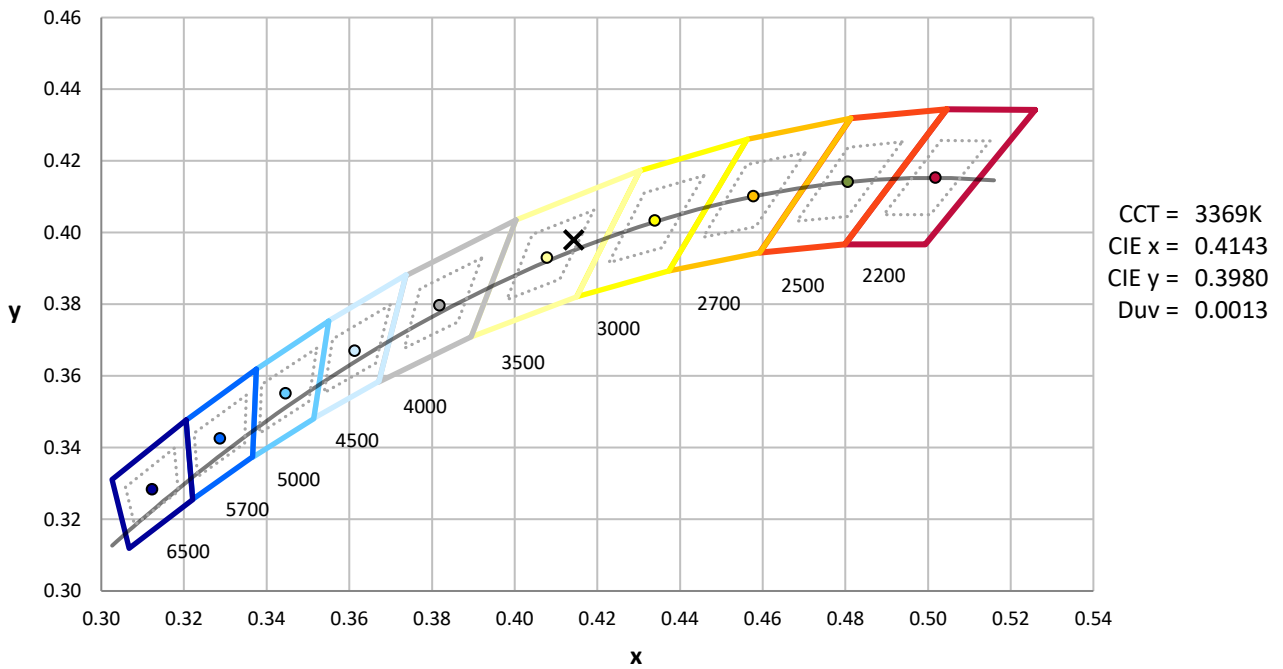
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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



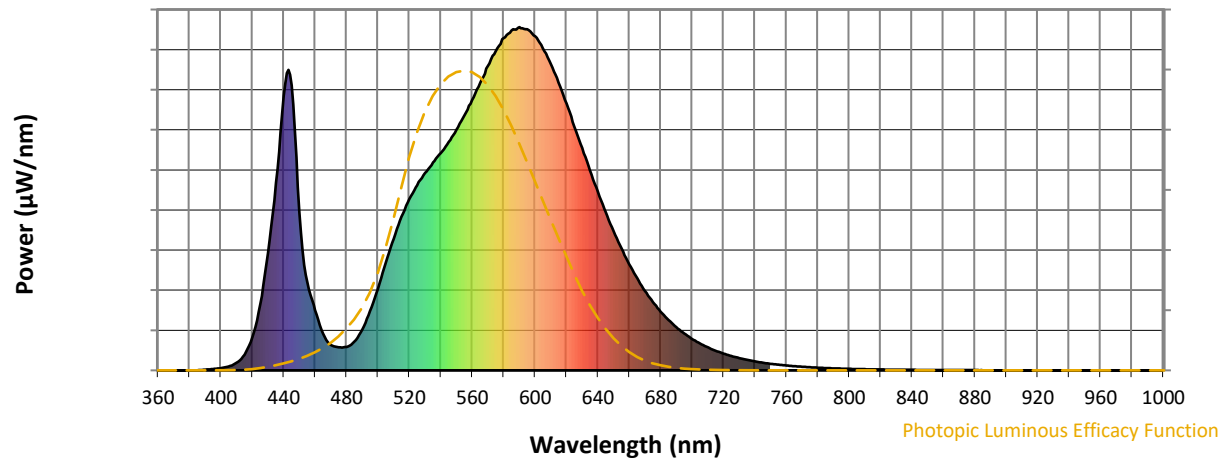
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3500K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-5

Photopic Flux vs. Wavelength

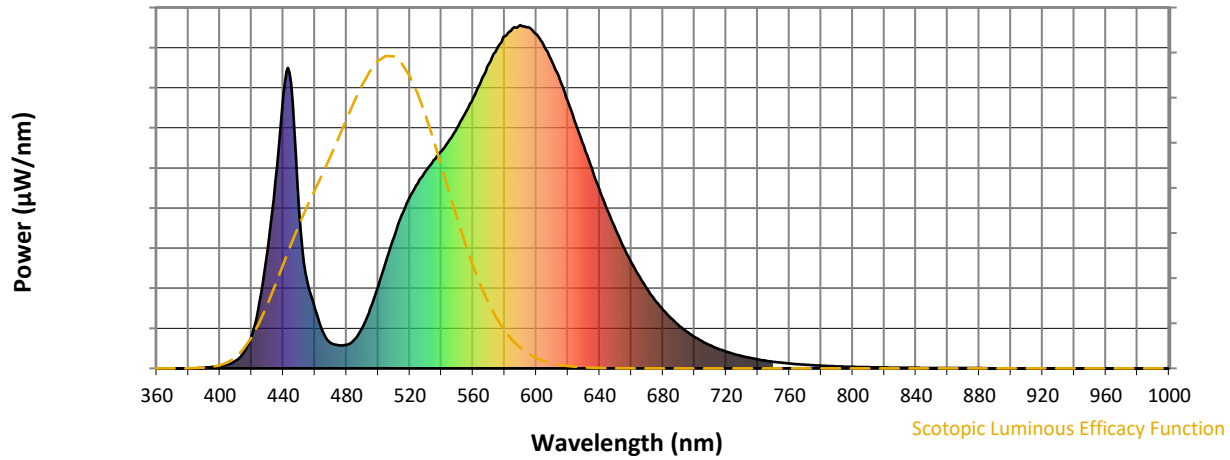


Photopic Lumens: NR

λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	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



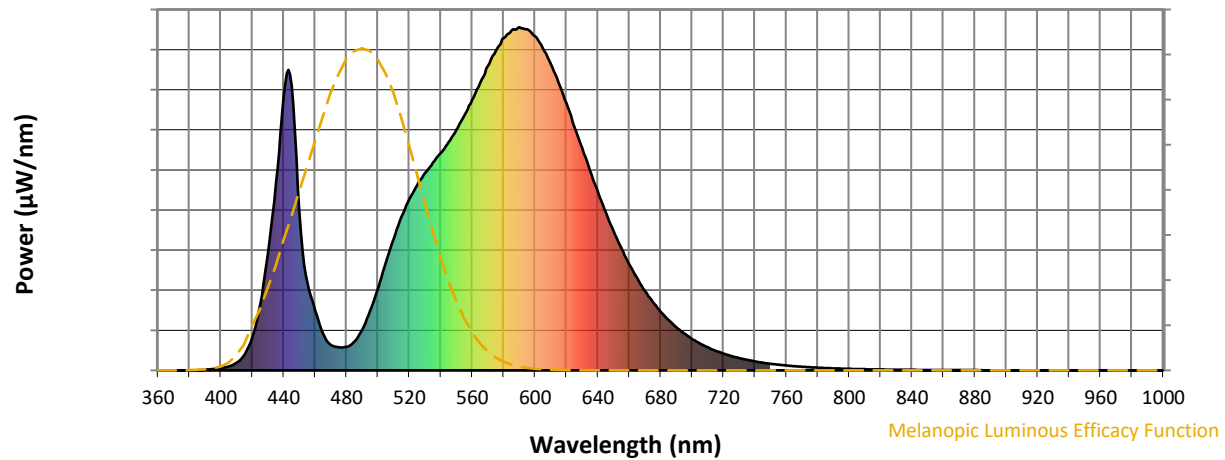
Scotopic Lumens: NR

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

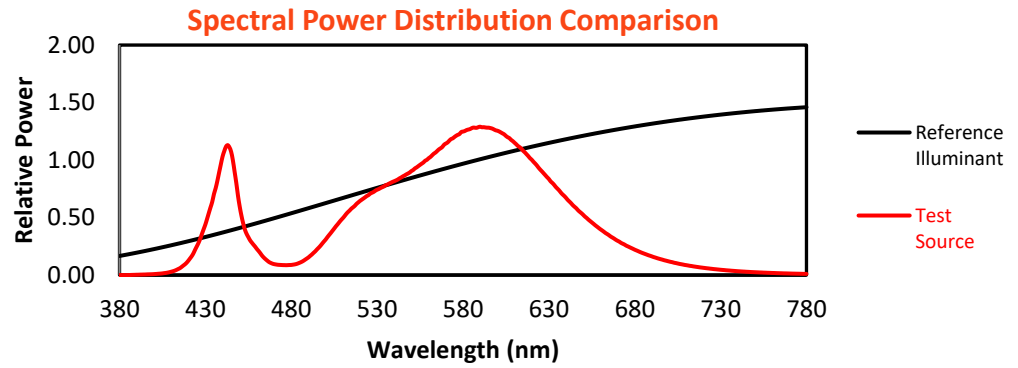
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	119	NR	620	778	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

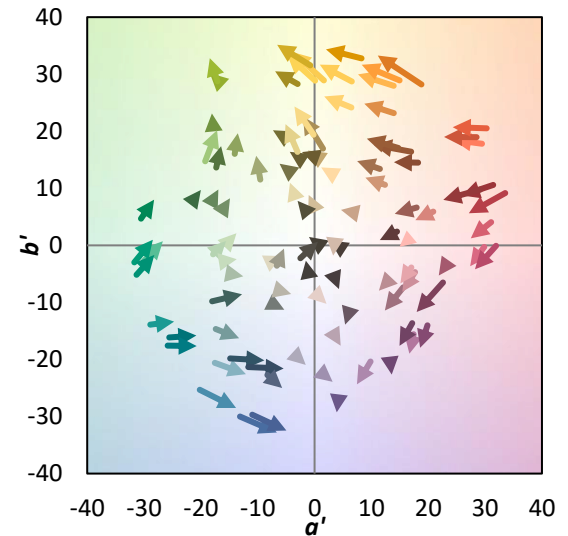
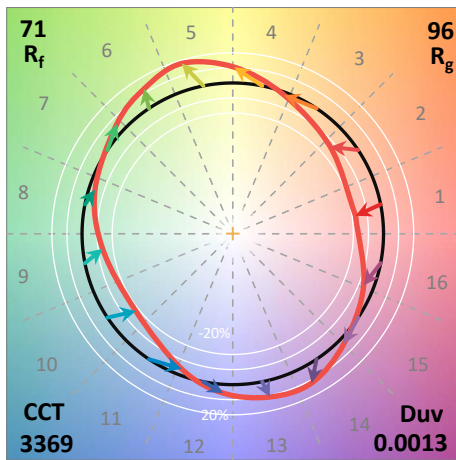
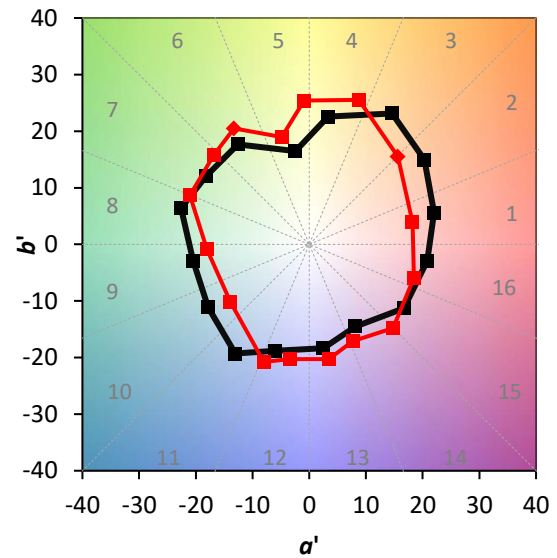
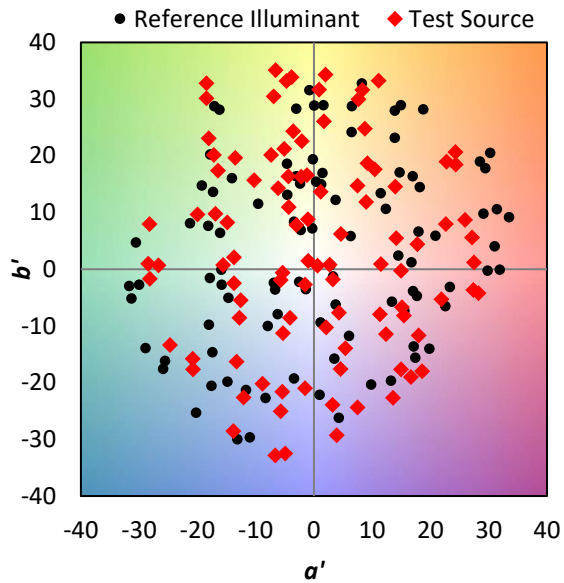
TM-30-18

Summary

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

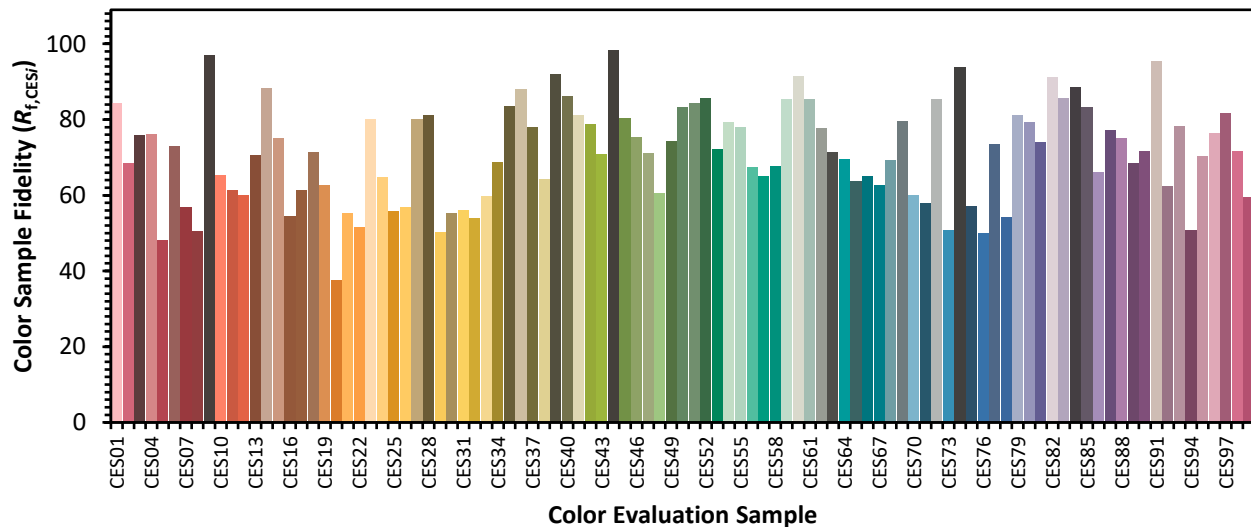


Color Vector Graphics

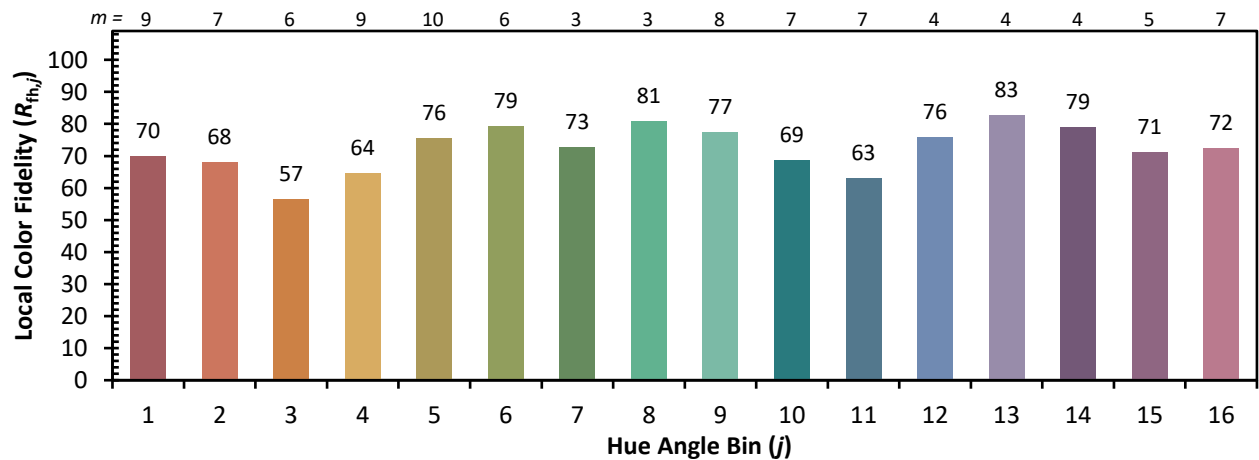
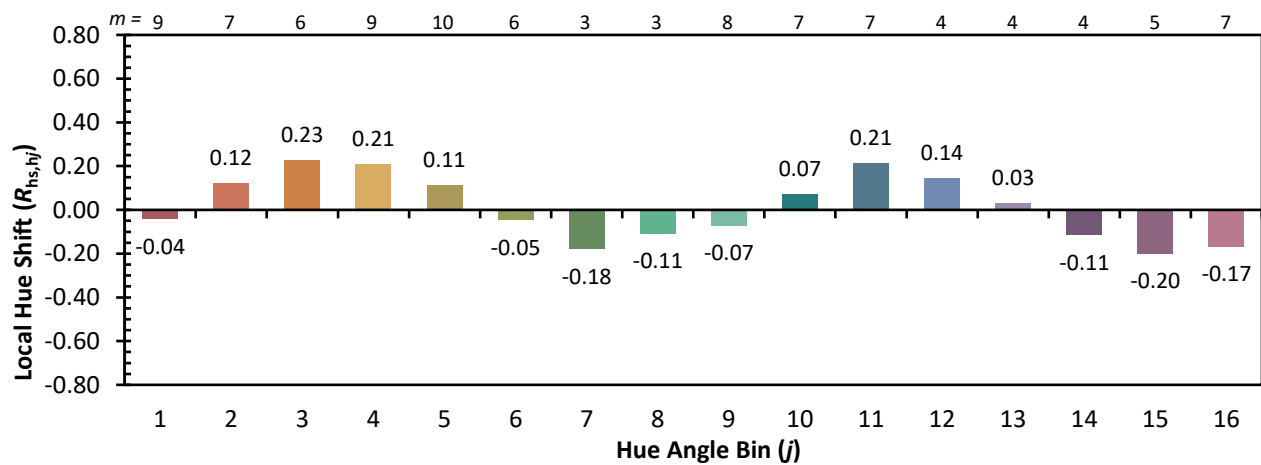
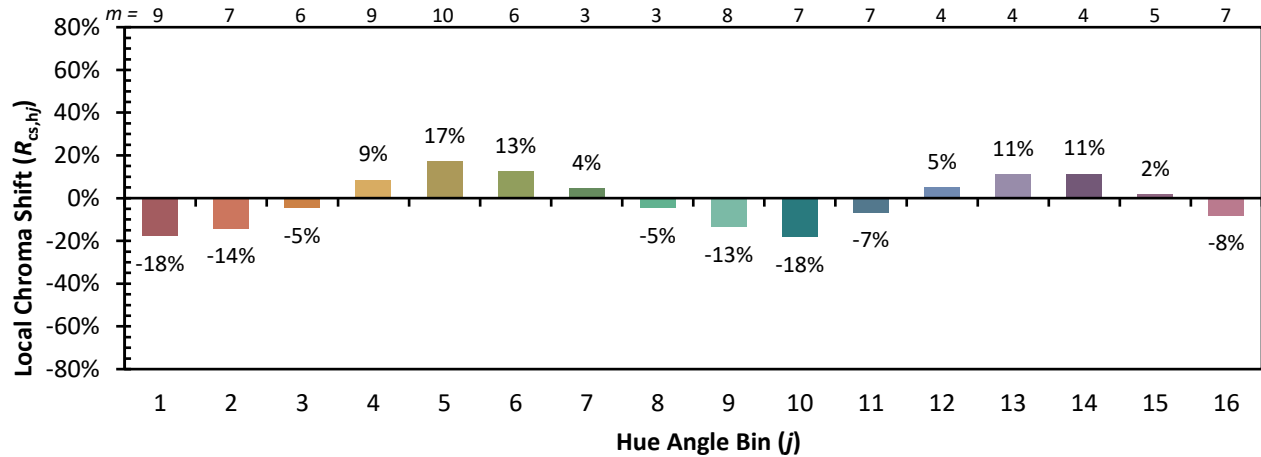


Individual Sample Fidelity Index ($R_{f,i}$)

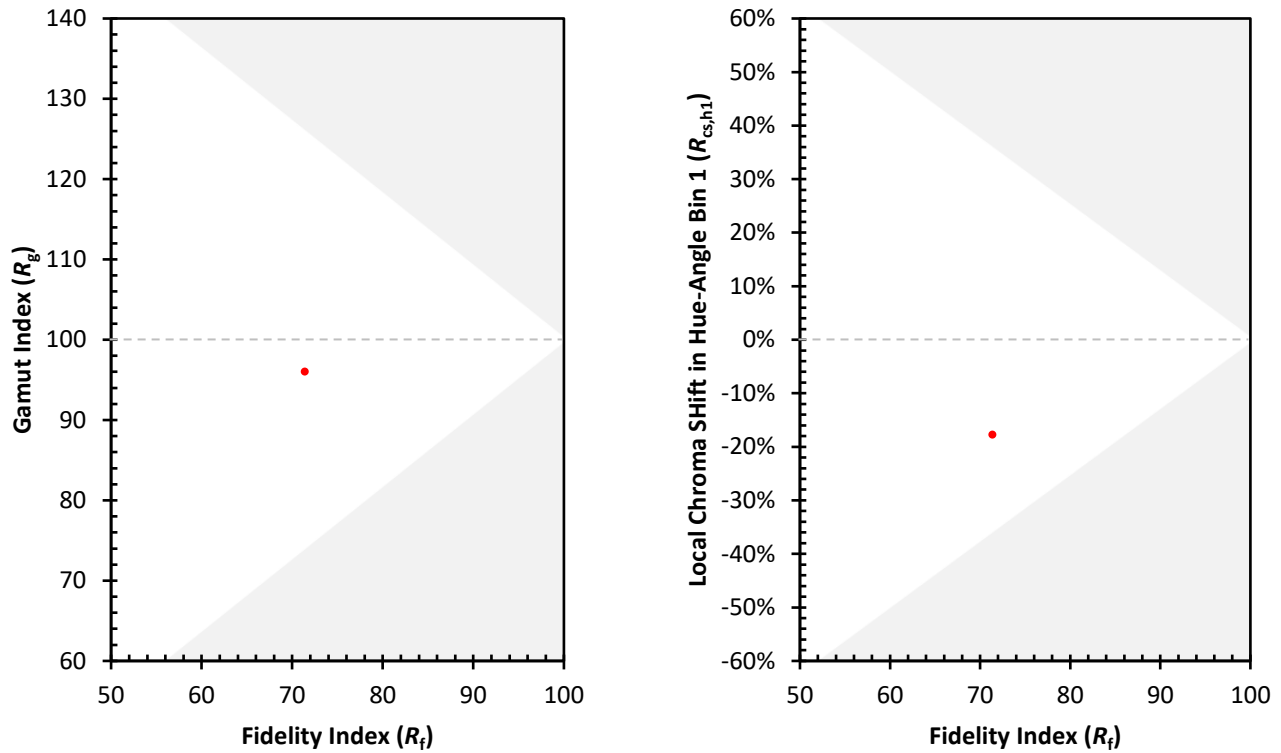
CES01 = 86	CES26 = 57	CES51 = 84	CES76 = 50
CES02 = 62	CES27 = 80	CES52 = 86	CES77 = 74
CES03 = 31	CES28 = 81	CES53 = 72	CES78 = 54
CES04 = 70	CES29 = 50	CES54 = 79	CES79 = 81
CES05 = 48	CES30 = 55	CES55 = 78	CES80 = 79
CES06 = 51	CES31 = 56	CES56 = 67	CES81 = 74
CES07 = 40	CES32 = 54	CES57 = 65	CES82 = 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	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)