

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: P1057669

Luminaire Tested: **GAP-SA1D-735-U-RBC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1057669
Test Lab: INNOVATION CENTER(G1)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAP-SA1D-735-U-RBC
Description: GALLEON PEDESTRAIAN COMPANION 1200mA 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: 5140.7 lumens
Efficiency: N/A
Efficacy: 91.6 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.67' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G2

Input Watts (W): 56.1
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



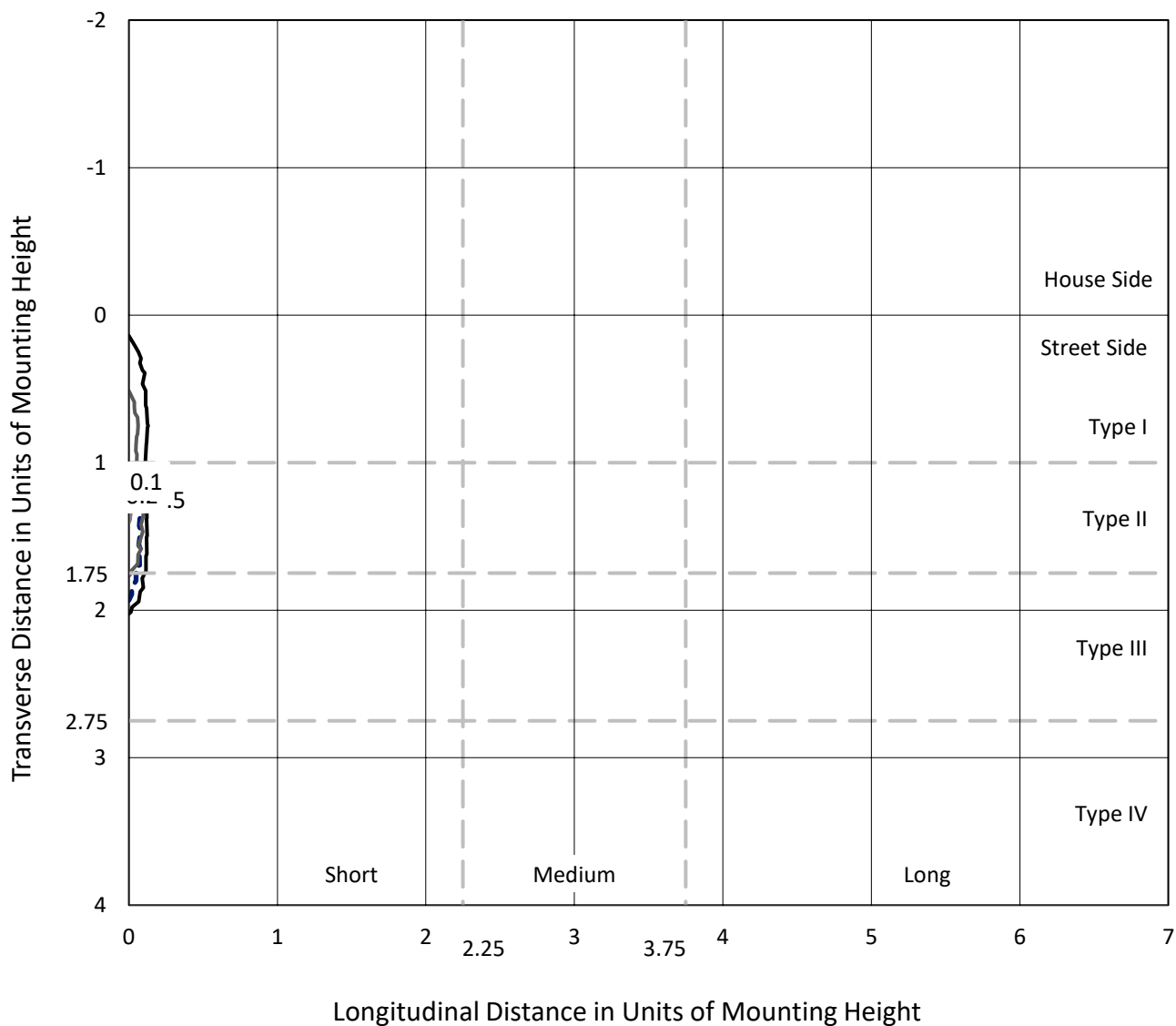
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

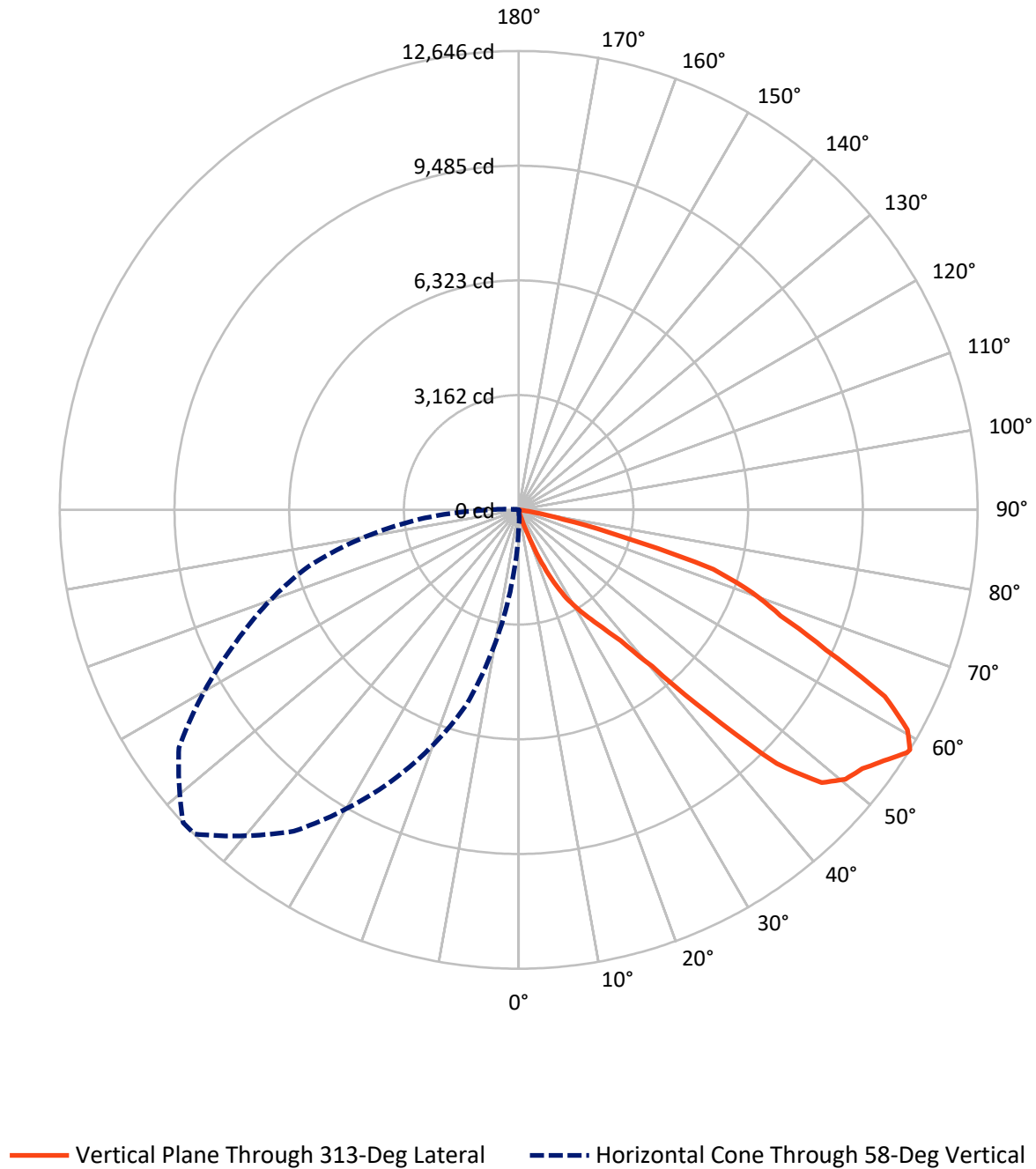


Based on 15 foot mounting height. Maximum calculated value = 0.6 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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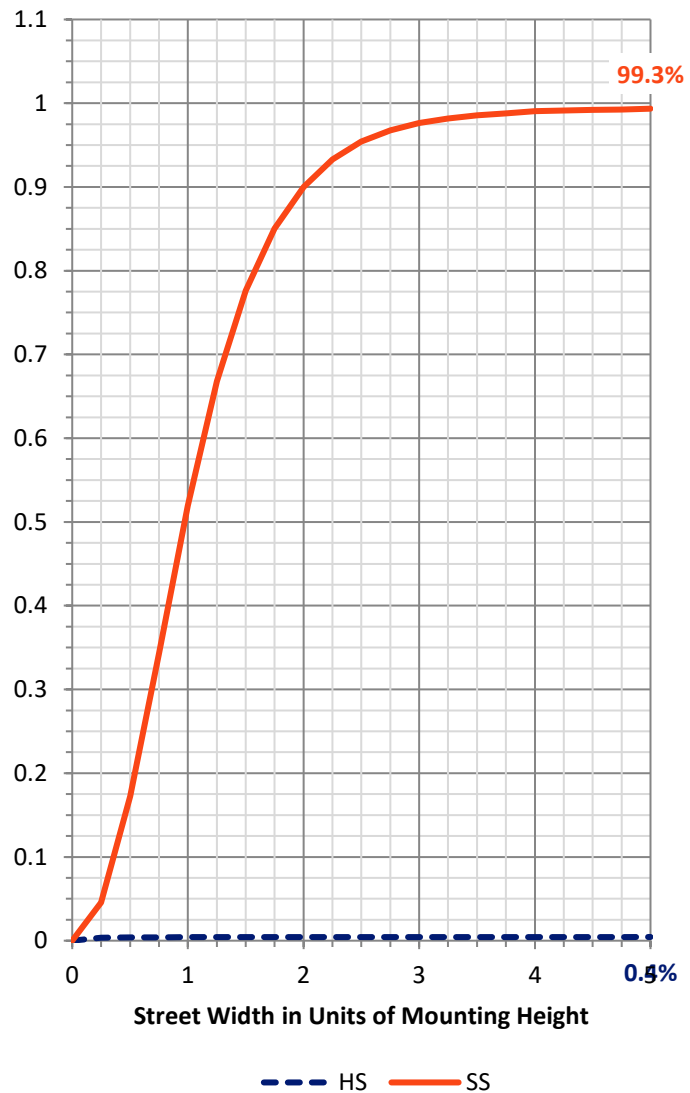
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	23.0	0.0	23.0
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	5117.7	0.0	5117.7
	% Fixture	99.6	0.0	99.6
Total	Lumens	5140.7	0.0	5140.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.7	0.0
10°-20°	8.9	0.2
20°-30°	129.8	2.5
30°-40°	373.2	7.3
40°-50°	1063.1	20.7
50°-60°	1672.3	32.5
60°-70°	1426.1	27.7
70°-80°	454.9	8.8
80°-90°	11.6	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°	5140.7	100.0
0°-180°	5140.7	100.0



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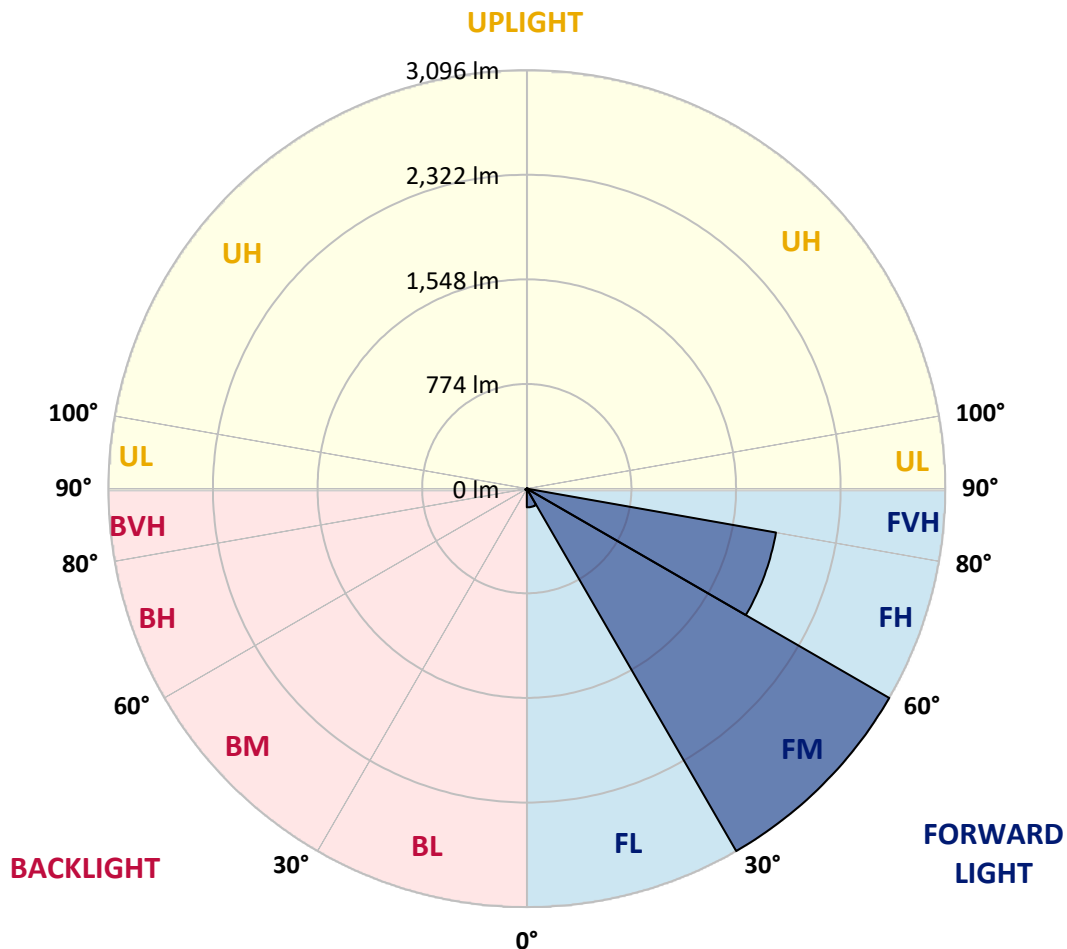
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	138.6	2.7			
FM	(30°-60°)	3096.3	60.2			
FH	(60°-80°)	1871.8	36.4			G2/5000
FVH	(80°-90°)	11.0	0.2			G1/100
BL	(0°-30°)	0.9	0.0	B0/110		
BM	(30°-60°)	12.3	0.2	B0/220		
BH	(60°-80°)	9.1	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-G2

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2
2.5°	18.5	19.5	20.6	19.5	17.5	13.4	13.4	10.3	7.2	4.1	3.1
5°	20.6	20.6	20.6	19.5	17.5	13.4	12.3	9.3	6.2	4.1	2.1
7.5°	22.6	22.6	21.6	19.5	16.5	13.4	12.3	9.3	6.2	3.1	0.0
10°	24.7	24.7	22.6	20.6	16.5	12.3	11.3	8.2	5.1	2.1	0.0
12.5°	27.8	26.7	23.7	20.6	16.5	11.3	11.3	8.2	4.1	1.0	0.0
15°	31.9	28.8	24.7	20.6	15.4	11.3	10.3	7.2	3.1	0.0	0.0
17.5°	35.0	31.9	25.7	19.5	14.4	10.3	9.3	6.2	3.1	0.0	0.0
20°	38.1	32.9	25.7	19.5	14.4	9.3	8.2	5.1	1.0	0.0	0.0
22.5°	43.2	35.0	25.7	19.5	13.4	8.2	7.2	4.1	0.0	0.0	0.0
25°	53.5	37.0	25.7	18.5	12.3	7.2	6.2	2.1	0.0	0.0	0.0
27.5°	65.8	40.1	25.7	17.5	11.3	6.2	5.1	1.0	0.0	0.0	0.0
30°	79.2	43.2	25.7	17.5	10.3	5.1	4.1	0.0	0.0	0.0	0.0
32.5°	93.6	47.3	25.7	16.5	9.3	4.1	3.1	0.0	0.0	0.0	0.0
35°	120.4	53.5	25.7	16.5	8.2	3.1	2.1	0.0	0.0	0.0	0.0
37.5°	132.7	61.7	25.7	15.4	8.2	2.1	1.0	0.0	0.0	0.0	0.0
40°	137.9	59.7	24.7	15.4	7.2	1.0	0.0	0.0	0.0	0.0	0.0
42.5°	149.2	55.6	25.7	14.4	7.2	1.0	0.0	0.0	0.0	0.0	0.0
45°	182.1	55.6	27.8	14.4	6.2	2.1	0.0	0.0	0.0	0.0	0.0
47.5°	315.8	57.6	26.7	14.4	6.2	2.1	0.0	0.0	0.0	0.0	0.0
50°	519.5	67.9	25.7	15.4	7.2	1.0	0.0	0.0	0.0	0.0	0.0
52.5°	602.9	82.3	25.7	16.5	9.3	0.0	0.0	0.0	0.0	0.0	0.0
55°	578.2	100.8	25.7	17.5	11.3	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	525.7	95.7	27.8	20.6	14.4	0.0	0.0	0.0	0.0	0.0	0.0
58°	506.2	95.7	27.8	20.6	14.4	0.0	0.0	0.0	0.0	0.0	0.0
60°	397.1	97.7	31.9	22.6	15.4	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	295.3	99.8	36.0	25.7	15.4	1.0	0.0	0.0	0.0	0.0	0.0
65°	219.1	103.9	38.1	29.8	14.4	2.1	0.0	0.0	0.0	0.0	0.0
67.5°	174.9	107.0	41.2	32.9	16.5	4.1	1.0	0.0	0.0	0.0	0.0
70°	150.2	102.9	44.2	34.0	15.4	6.2	3.1	0.0	0.0	0.0	0.0
72.5°	133.7	96.7	50.4	32.9	16.5	6.2	3.1	0.0	0.0	0.0	0.0
75°	120.4	88.5	57.6	31.9	16.5	6.2	4.1	0.0	0.0	0.0	0.0
77.5°	90.5	77.2	56.6	30.9	15.4	6.2	4.1	0.0	0.0	0.0	0.0
80°	45.3	51.4	49.4	27.8	12.3	5.1	4.1	1.0	0.0	0.0	0.0
82.5°	18.5	19.5	24.7	20.6	10.3	4.1	4.1	1.0	0.0	0.0	0.0
85°	2.1	4.1	7.2	8.2	7.2	4.1	4.1	1.0	0.0	0.0	0.0
87.5°	0.0	1.0	4.1	6.2	5.1	3.1	2.1	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°	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2
2.5°	2.1	2.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
5°	1.0	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



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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2
2.5°	1.0	2.1	2.1	2.1	3.1	3.1	4.1	5.1	5.1	5.1	6.2
5°	0.0	0.0	1.0	1.0	2.1	3.1	4.1	6.2	7.2	7.2	8.2
7.5°	0.0	0.0	0.0	1.0	2.1	3.1	4.1	6.2	8.2	9.3	10.3
10°	0.0	0.0	0.0	0.0	1.0	2.1	4.1	7.2	10.3	12.3	14.4
12.5°	0.0	0.0	0.0	0.0	0.0	1.0	4.1	8.2	12.3	15.4	17.5
15°	0.0	0.0	0.0	0.0	0.0	1.0	4.1	8.2	15.4	18.5	22.6
17.5°	0.0	0.0	0.0	0.0	0.0	0.0	4.1	9.3	17.5	22.6	30.9
20°	0.0	0.0	0.0	0.0	0.0	0.0	3.1	9.3	19.5	27.8	46.3
22.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.1	9.3	21.6	36.0	85.4
25°	0.0	0.0	0.0	0.0	0.0	0.0	2.1	9.3	24.7	53.5	142.0
27.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.1	10.3	29.8	75.1	207.8
30°	0.0	0.0	0.0	0.0	0.0	0.0	2.1	10.3	37.0	101.9	290.1
32.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.0	10.3	43.2	128.6	395.1
35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.3	51.4	170.8	495.9
37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.3	63.8	188.3	581.3
40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.2	60.7	204.7	679.0
42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.3	55.6	228.4	832.3
45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.3	55.6	302.5	1171.8
47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.2	67.9	471.2	1791.2
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.2	87.4	723.3	2550.4
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.1	106.0	889.9	2990.7
55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.1	127.6	890.9	2976.3
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.2	142.0	797.3	2686.2
58°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.2	140.9	771.6	2606.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	1.0	10.3	123.5	669.8	2274.7
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	4.1	16.5	108.0	480.5	1885.8
65°	0.0	0.0	0.0	0.0	0.0	0.0	8.2	18.5	98.8	348.8	1415.6
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	10.3	21.6	94.7	246.9	984.6
70°	0.0	0.0	0.0	0.0	0.0	0.0	12.3	24.7	87.4	177.0	648.1
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	12.3	30.9	82.3	138.9	390.9
75°	0.0	0.0	0.0	0.0	0.0	0.0	12.3	39.1	72.0	113.2	209.9
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	12.3	42.2	59.7	82.3	127.6
80°	0.0	0.0	0.0	0.0	0.0	0.0	11.3	38.1	43.2	36.0	43.2
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	6.2	22.6	9.3	9.3	14.4
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

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CANDELA DISTRIBUTION (continued):

	285°	295°	305°	313°	315°	325°	335°	345°	355°	360°
0°	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2
2.5°	7.2	7.2	7.2	7.2	8.2	8.2	11.3	14.4	17.5	18.5
5°	9.3	10.3	11.3	11.3	11.3	12.3	14.4	16.5	19.5	20.6
7.5°	13.4	14.4	16.5	16.5	16.5	17.5	18.5	20.6	22.6	22.6
10°	17.5	20.6	21.6	22.6	23.7	23.7	23.7	24.7	25.7	24.7
12.5°	23.7	27.8	32.9	34.0	34.0	34.0	32.9	30.9	28.8	27.8
15°	32.9	45.3	61.7	67.9	64.8	57.6	50.4	39.1	34.0	31.9
17.5°	60.7	123.5	224.3	247.9	242.8	208.8	122.4	59.7	40.1	35.0
20°	163.6	399.2	658.4	721.2	754.1	624.5	361.1	138.9	49.4	38.1
22.5°	352.9	829.2	1285.0	1447.5	1457.8	1172.8	702.7	281.9	71.0	43.2
25°	567.9	1326.1	1947.5	2104.9	2108.0	1807.6	1123.5	456.8	108.0	53.5
27.5°	870.4	1859.1	2554.5	2685.2	2683.1	2378.6	1623.5	697.5	151.2	65.8
30°	1180.0	2274.7	2954.7	3117.3	3132.7	2768.5	2041.1	982.5	197.5	79.2
32.5°	1486.6	2582.3	3320.0	3536.0	3522.6	3113.2	2332.3	1216.0	276.7	93.6
35°	1728.4	2844.6	3724.3	3989.7	4000.0	3491.8	2590.5	1442.4	344.6	120.4
37.5°	1935.2	3183.1	4262.3	4568.9	4582.3	3963.0	2861.1	1664.6	403.3	132.7
40°	2190.3	3738.7	5153.3	5673.9	5675.9	4841.6	3347.7	1913.6	482.5	137.9
42.5°	2763.4	4929.0	6894.0	7642.0	7706.8	6664.6	4453.7	2453.7	607.0	149.2
45°	3909.5	6497.9	9114.2	9975.3	10057.6	8933.1	6349.8	3700.6	880.7	182.1
47.5°	5272.6	7862.1	10404.3	11233.5	11288.1	10006.2	7619.3	5143.0	1499.0	315.8
50°	6111.1	8367.3	10878.6	11669.7	11679.0	10359.0	8017.5	5892.0	2135.8	519.5
52.5°	6371.4	8432.1	10897.1	11853.9	11880.6	10317.9	8072.0	6043.2	2401.2	602.9
55°	6265.4	8394.0	11092.6	12205.7	12234.6	10485.6	8035.0	5877.6	2276.7	578.2
57.5°	6023.7	8542.2	11413.6	12623.4	12623.4	10795.3	8171.8	5599.8	1972.2	525.7
58°	5987.6	8579.2	11431.1	12646.1	12636.8	10814.8	8228.4	5559.7	1905.3	506.2
60°	5938.3	8693.4	11301.4	12311.7	12285.0	10676.9	8331.3	5523.7	1581.3	397.1
62.5°	5866.2	8436.2	10357.0	11328.2	11259.2	9710.9	8036.0	5312.8	1180.0	295.3
65°	5496.9	7486.6	8633.7	9306.6	9285.0	7988.7	6916.7	4759.3	849.8	219.1
67.5°	4633.7	5861.1	6974.3	7785.0	7790.1	6521.6	5409.5	3803.5	578.2	174.9
70°	3259.3	4323.0	5929.0	6831.3	6872.4	5470.2	4007.2	2535.0	381.7	150.2
72.5°	1946.5	3265.4	4930.0	5615.2	5593.6	4539.1	2973.2	1511.3	232.5	133.7
75°	943.4	1951.6	2491.8	2889.9	2873.5	2270.6	1584.4	740.7	169.8	120.4
77.5°	256.2	599.8	965.0	1255.1	1289.1	909.5	519.5	198.6	106.0	90.5
80°	86.4	185.2	314.8	428.0	439.3	393.0	195.5	70.0	46.3	45.3
82.5°	32.9	45.3	57.6	51.4	51.4	53.5	42.2	29.8	21.6	18.5
85°	0.0	0.0	1.0	2.1	2.1	3.1	3.1	3.1	2.1	2.1
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

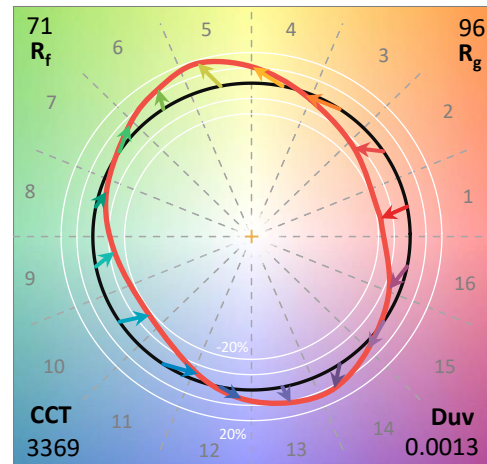
Data in this report applies to families of products including GSS-SB1A-735-U-5WQ

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

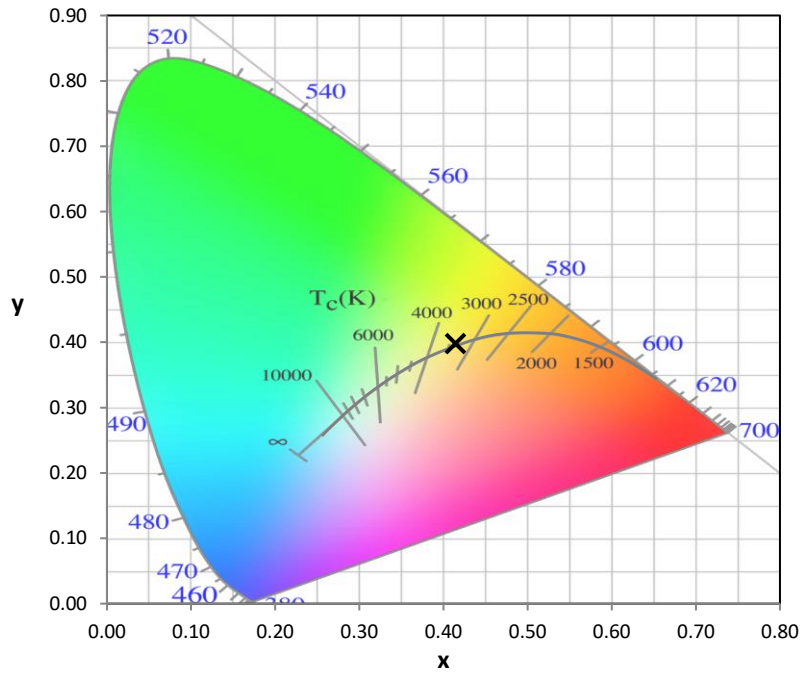
Stabilization Time: 21M
 Operation Time: 1H 21M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-5

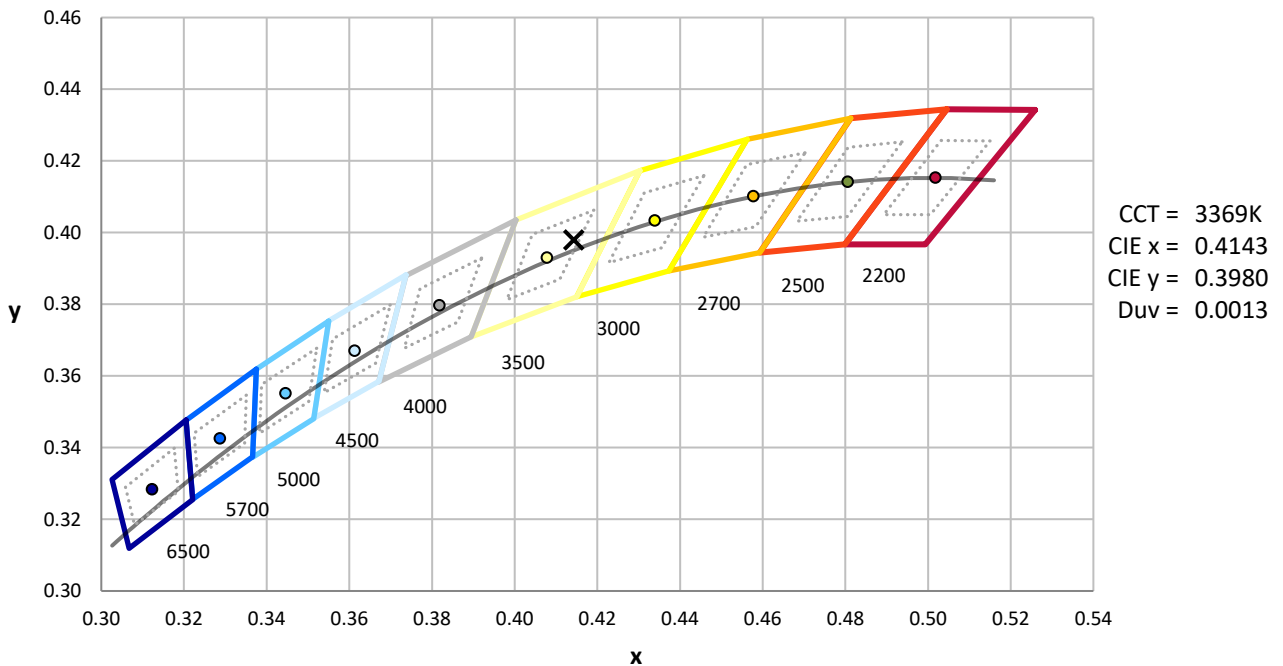
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



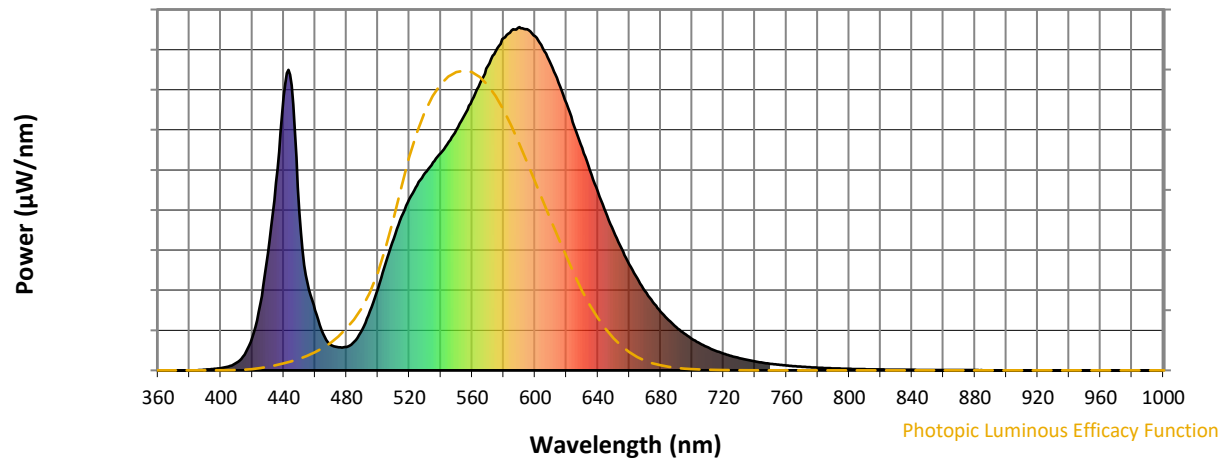
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3500K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-5

Photopic Flux vs. Wavelength

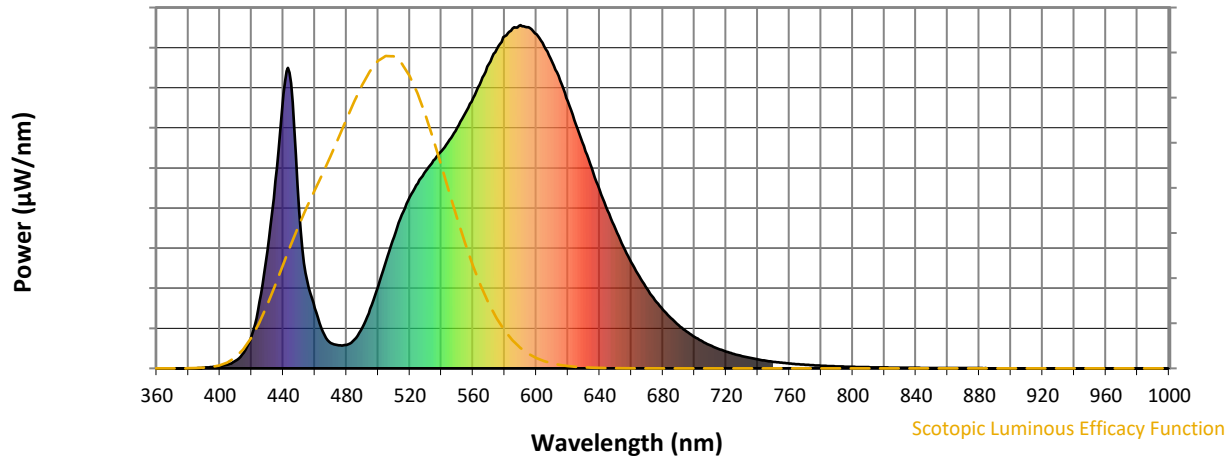


Photopic Lumens: NR

λ (nm)	Power 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



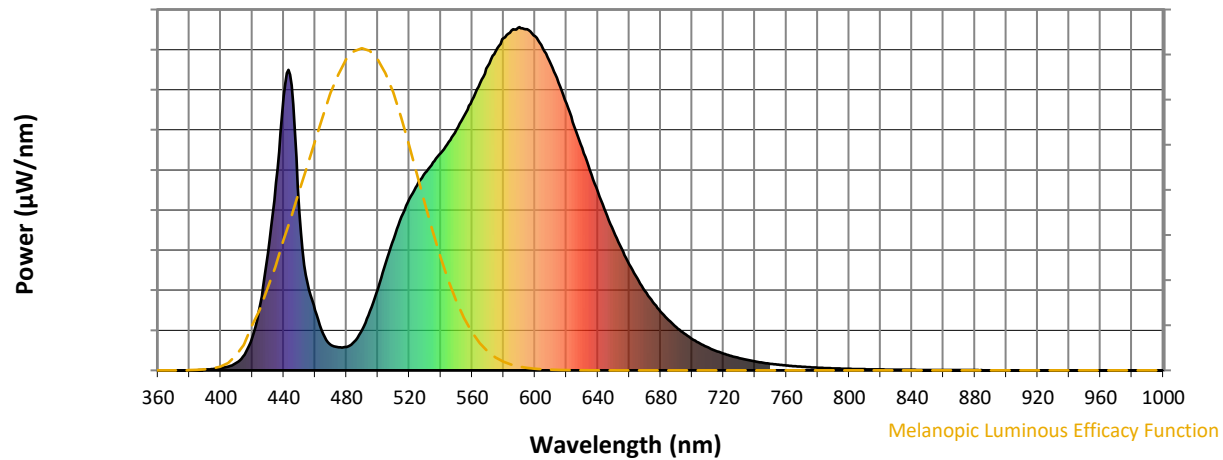
Scotopic Lumens: NR

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			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.36

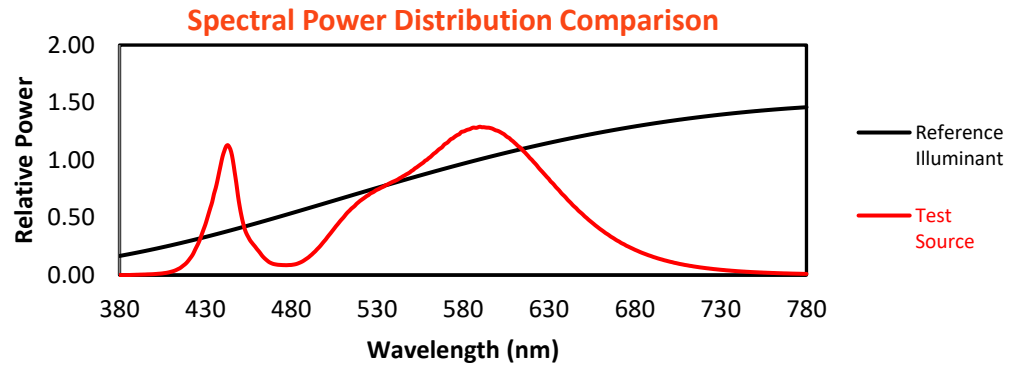
λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)
360	0	NR	490	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630	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

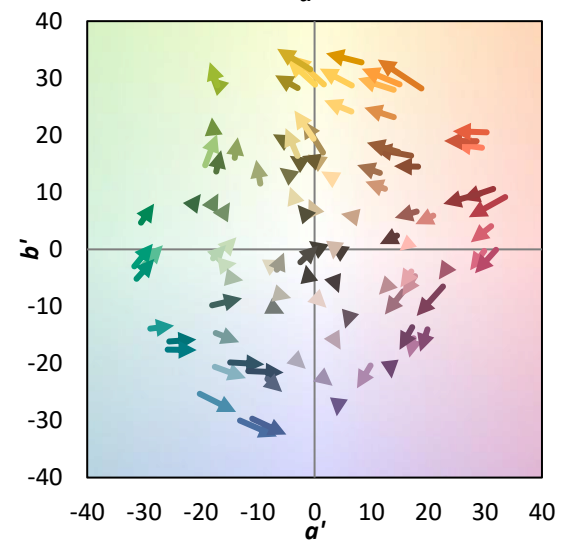
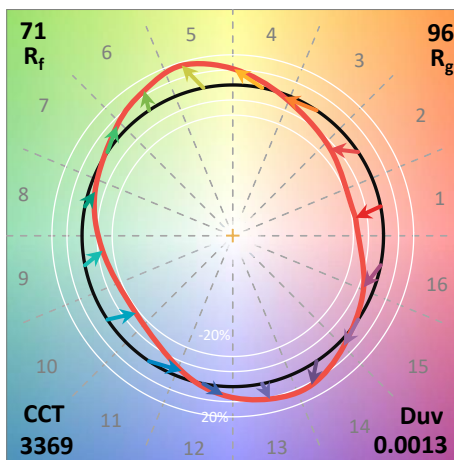
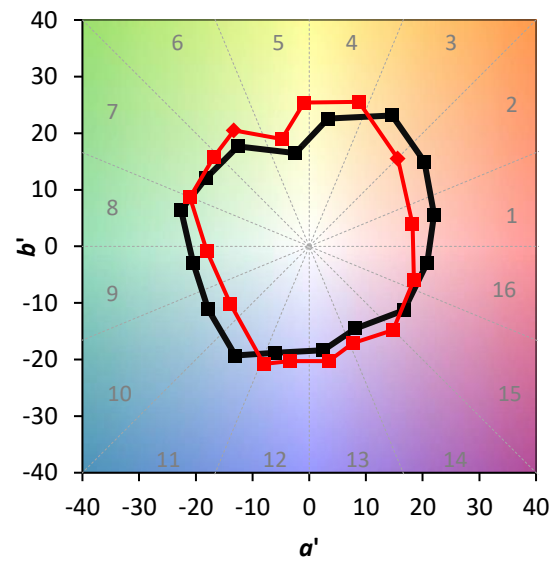
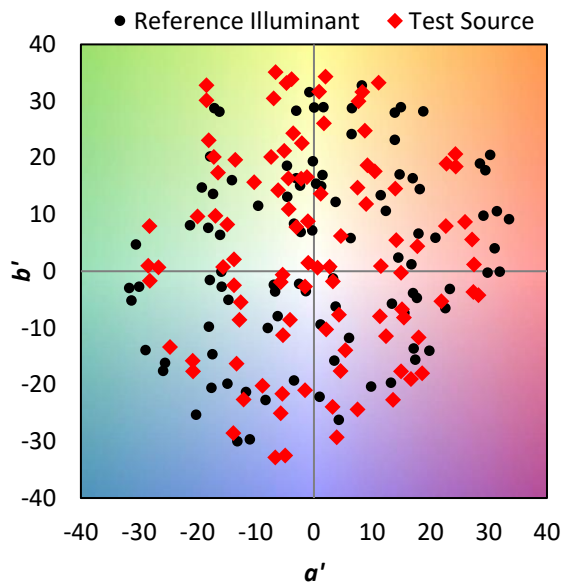
TM-30-18

Summary

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

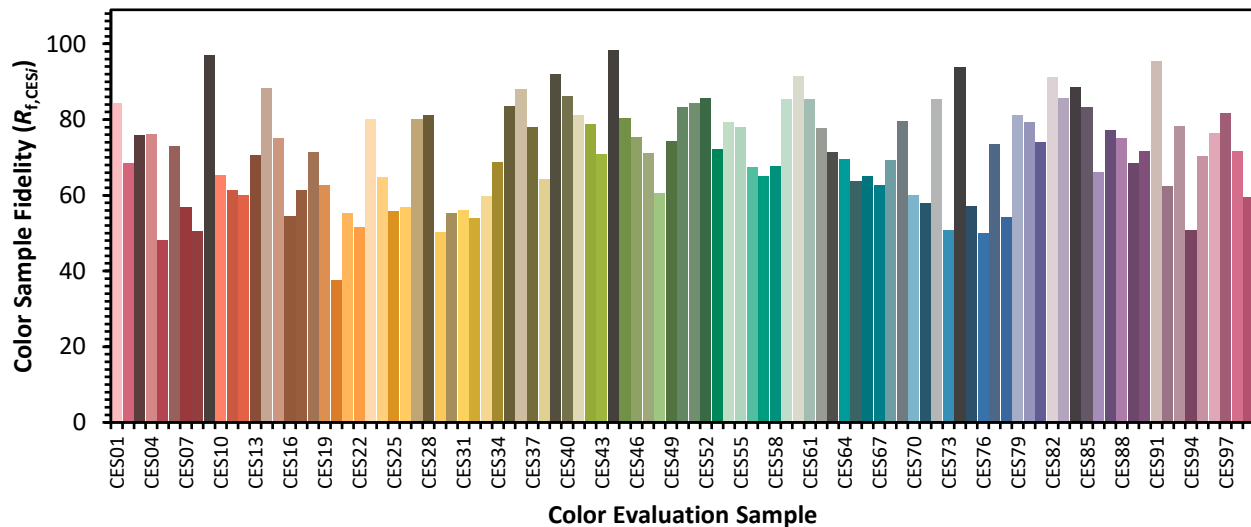


Color Vector Graphics

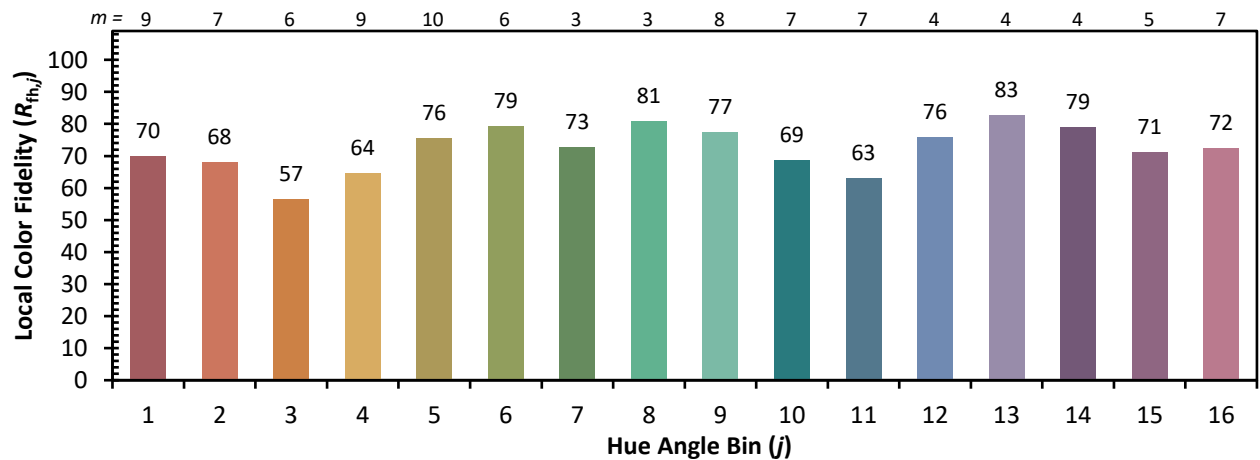
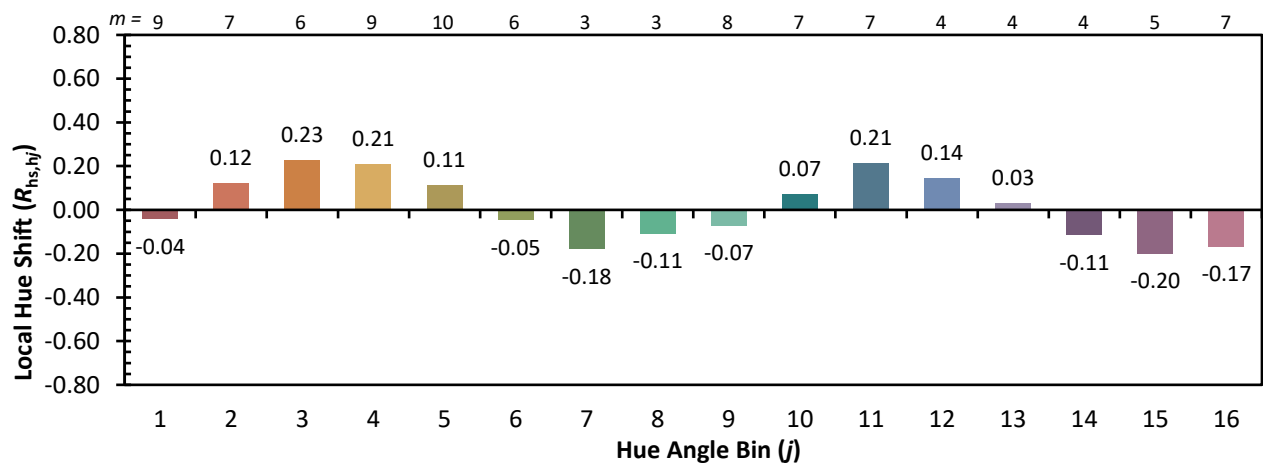
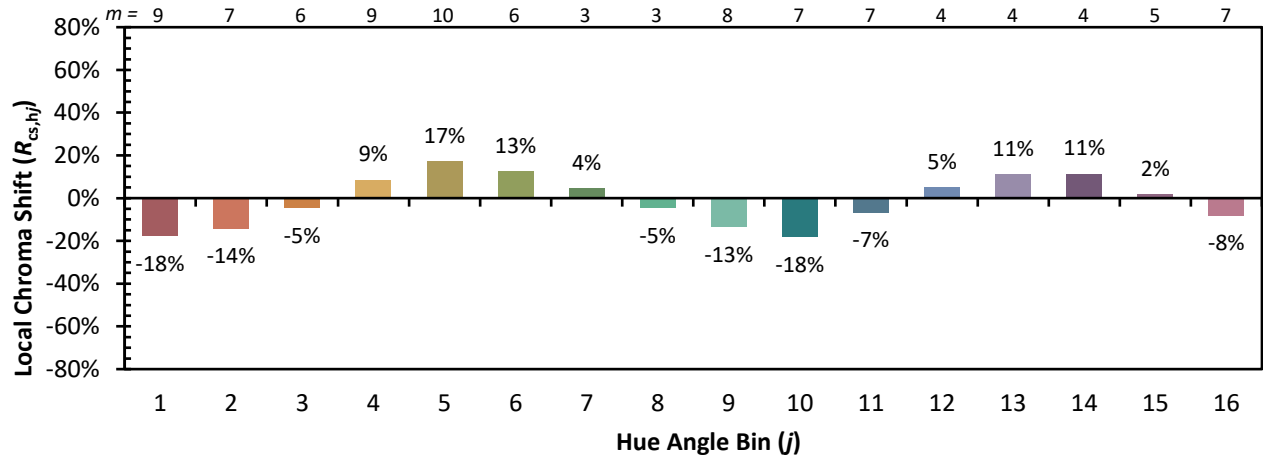


Individual Sample Fidelity Index ($R_{f,i}$)

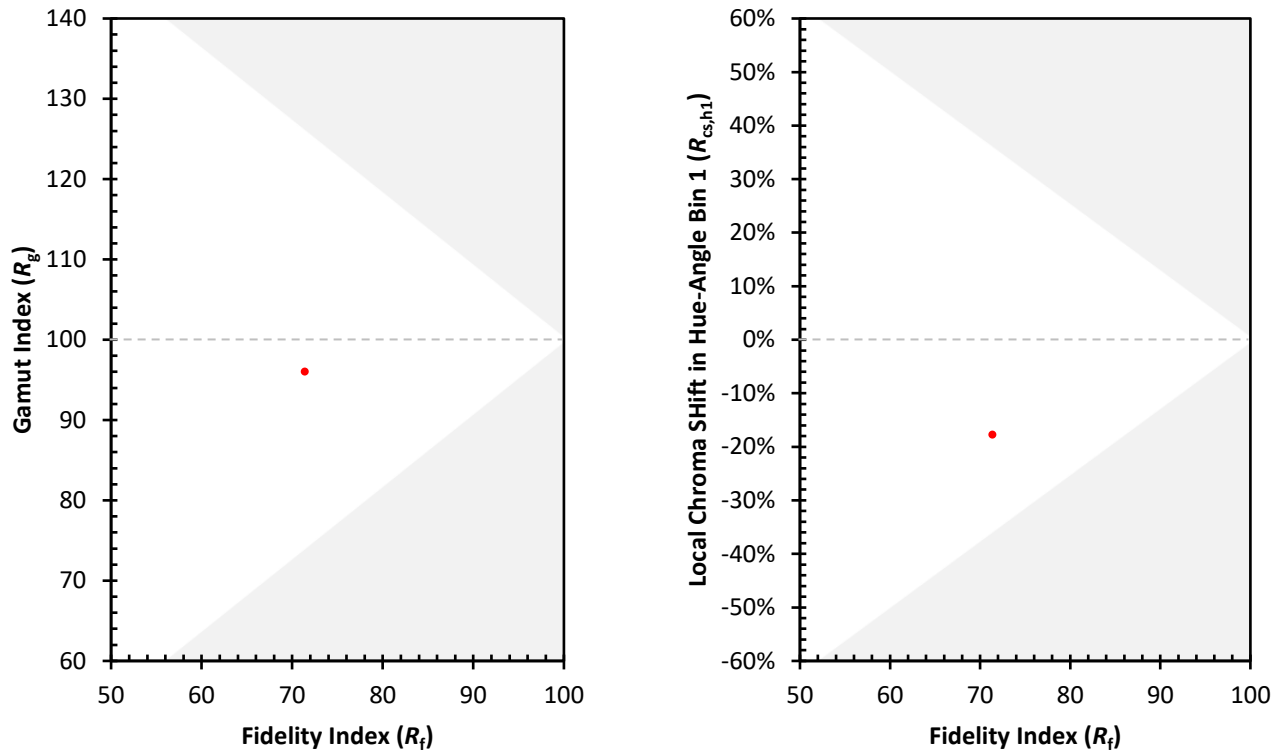
CES01 = 86	CES26 = 57	CES51 = 84	CES76 = 50
CES02 = 62	CES27 = 80	CES52 = 86	CES77 = 74
CES03 = 31	CES28 = 81	CES53 = 72	CES78 = 54
CES04 = 70	CES29 = 50	CES54 = 79	CES79 = 81
CES05 = 48	CES30 = 55	CES55 = 78	CES80 = 79
CES06 = 51	CES31 = 56	CES56 = 67	CES81 = 74
CES07 = 40	CES32 = 54	CES57 = 65	CES82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