

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: P1057692

Luminaire Tested: **GAP-SA2A-750-U-RBC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1057692
Test Lab: INNOVATION CENTER(G1)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAP-SA2A-750-U-RBC
Description: GALLEON PEDESTRAIAN COMPANION 615mA 2xLight Square PACKAGE 70CRI
5000K FIXTURE w/ RIGHT CORNER BACKLIGHT CONTROL
Light Source: (28) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6181.9 lumens
Efficiency: N/A
Efficacy: 111.2 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): 55.6
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

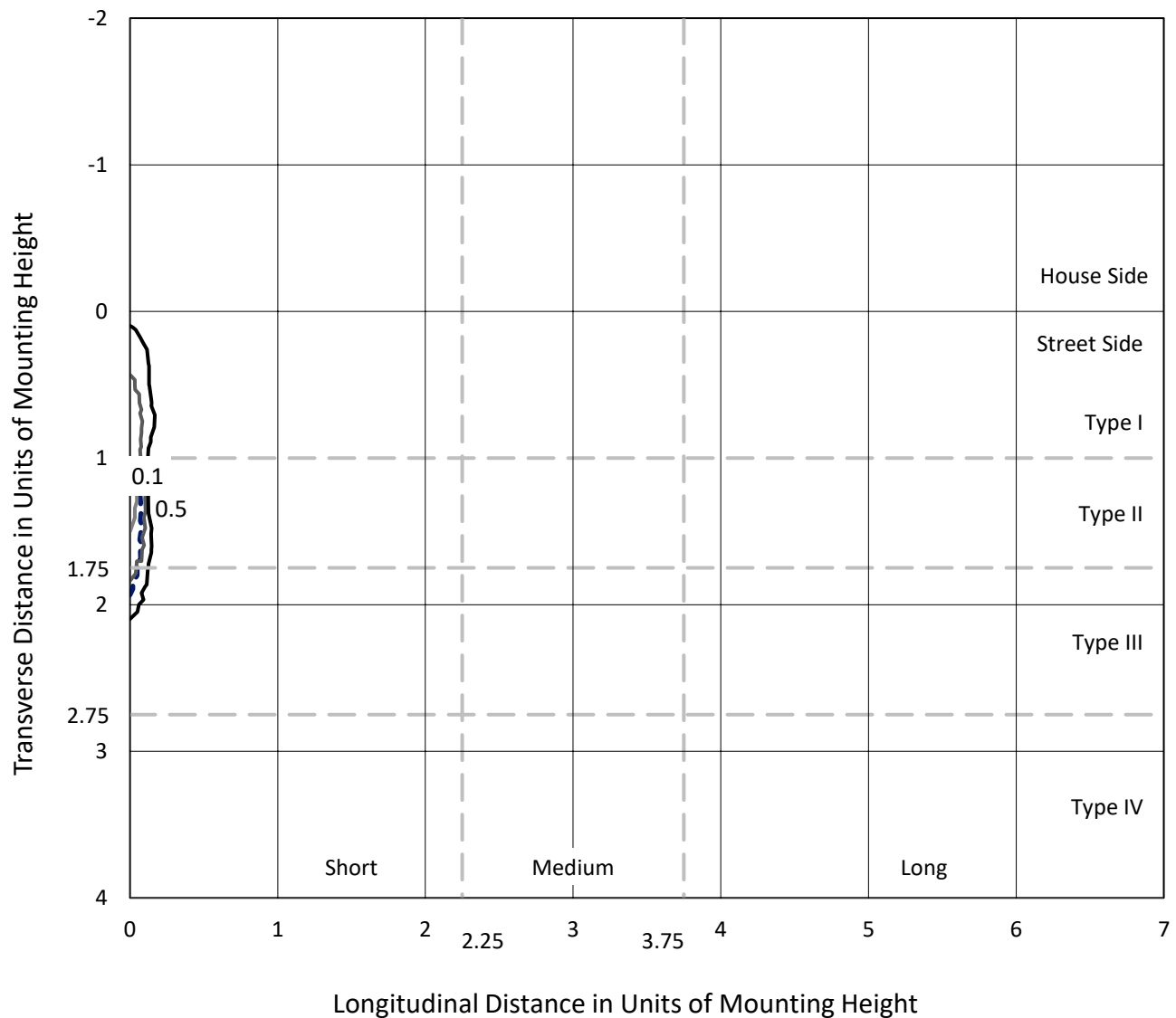


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

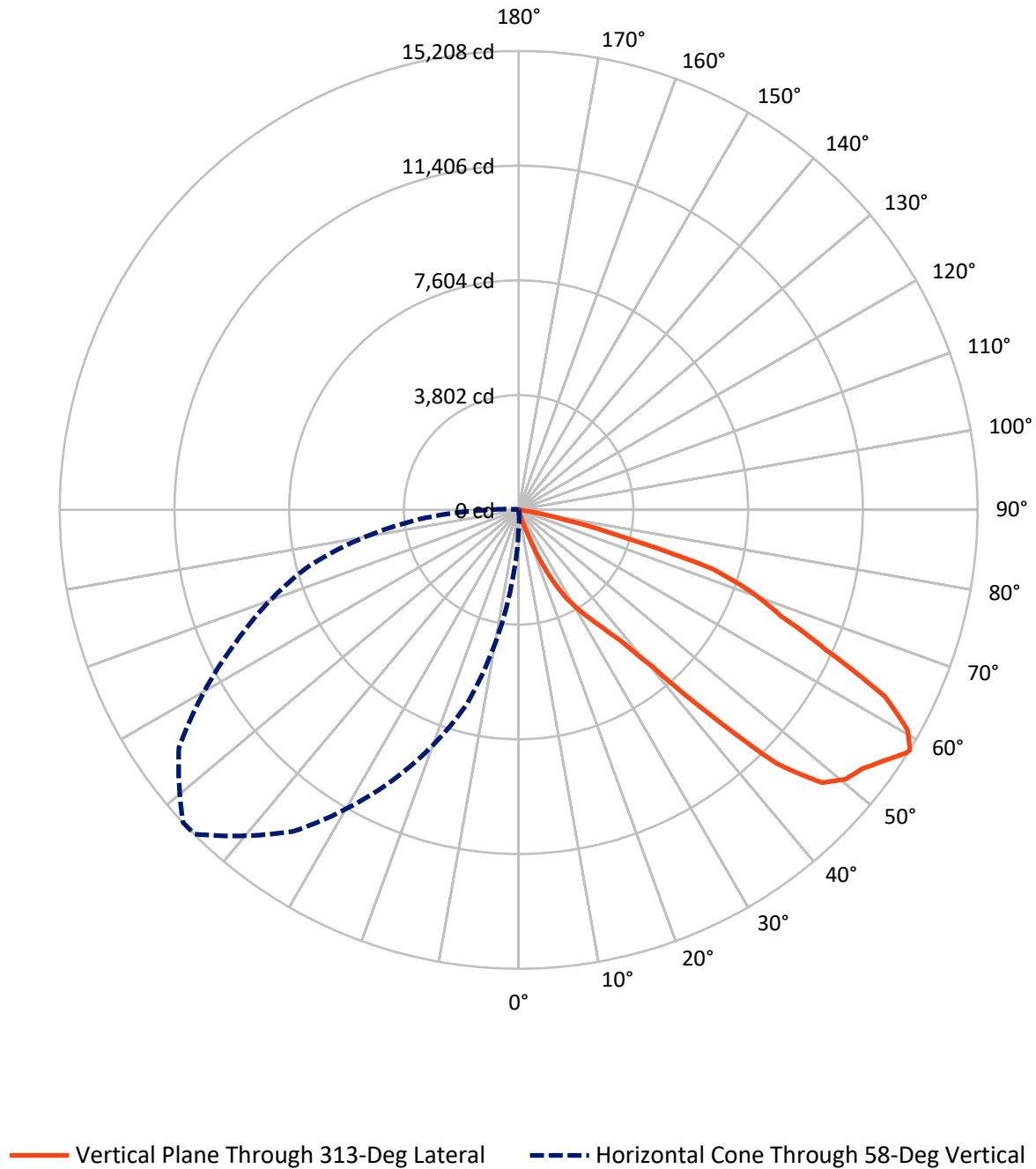


Based on 15 foot mounting height. Maximum calculated value = 0.7 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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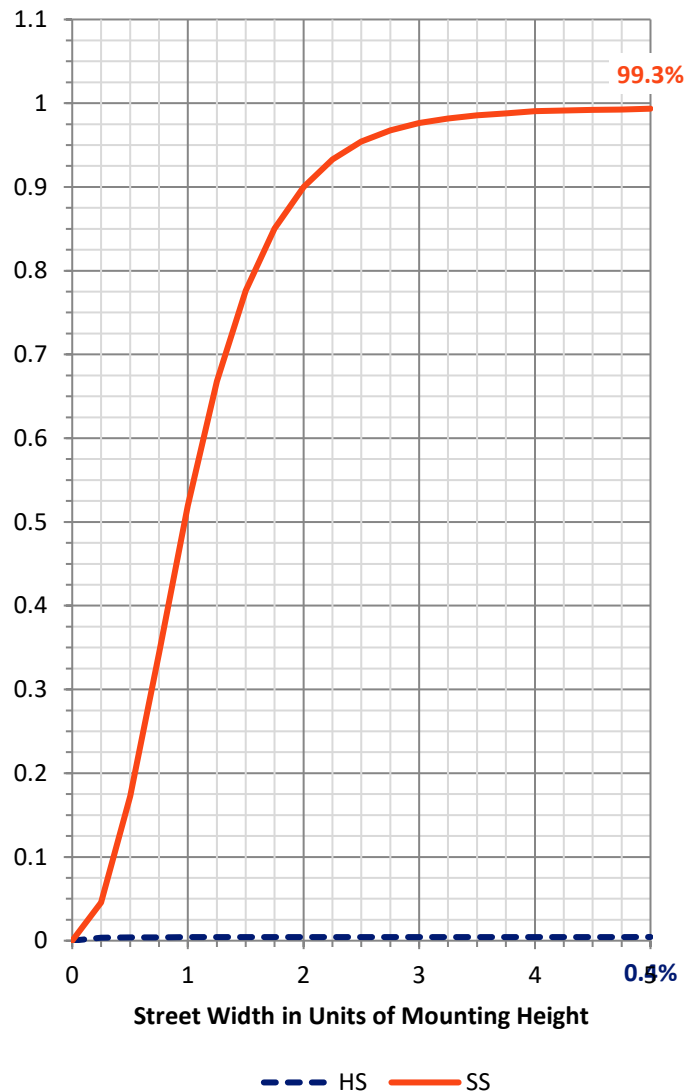
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	27.6	0.0	27.6
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	6154.2	0.0	6154.2
	% Fixture	99.6	0.0	99.6
Total	Lumens	6181.9	0.0	6181.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.9	0.0
10°-20°	10.7	0.2
20°-30°	156.1	2.5
30°-40°	448.8	7.3
40°-50°	1278.5	20.7
50°-60°	2011.0	32.5
60°-70°	1714.9	27.7
70°-80°	547.0	8.8
80°-90°	13.9	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°	6181.9	100.0
0°-180°	6181.9	100.0



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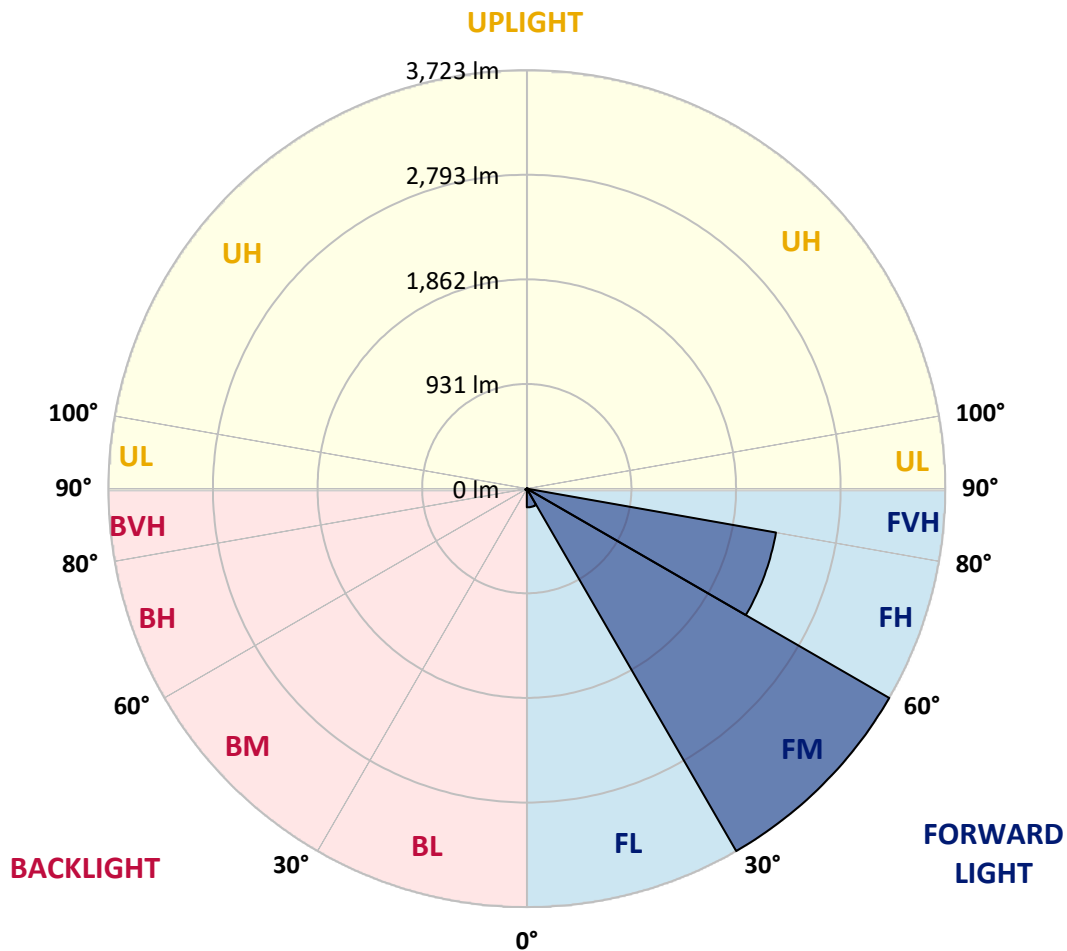
CATALOG NUMBER: GAP-SA2A-750-U-RBC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	166.7	2.7			
FM	(30°-60°)	3723.5	60.2			
FH	(60°-80°)	2251.0	36.4			G2/5000
FVH	(80°-90°)	13.2	0.2			G1/100
BL	(0°-30°)	1.1	0.0	B0/110		
BM	(30°-60°)	14.8	0.2	B0/220		
BH	(60°-80°)	11.0	0.2	B0/110		G0/110
BVH	(80°-90°)	0.8	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°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
2.5°	22.3	23.5	24.7	23.5	21.0	16.1	16.1	12.4	8.7	4.9	3.7
5°	24.7	24.7	24.7	23.5	21.0	16.1	14.8	11.1	7.4	4.9	2.5
7.5°	27.2	27.2	26.0	23.5	19.8	16.1	14.8	11.1	7.4	3.7	0.0
10°	29.7	29.7	27.2	24.7	19.8	14.8	13.6	9.9	6.2	2.5	0.0
12.5°	33.4	32.2	28.5	24.7	19.8	13.6	13.6	9.9	4.9	1.2	0.0
15°	38.4	34.6	29.7	24.7	18.6	13.6	12.4	8.7	3.7	0.0	0.0
17.5°	42.1	38.4	30.9	23.5	17.3	12.4	11.1	7.4	3.7	0.0	0.0
20°	45.8	39.6	30.9	23.5	17.3	11.1	9.9	6.2	1.2	0.0	0.0
22.5°	52.0	42.1	30.9	23.5	16.1	9.9	8.7	4.9	0.0	0.0	0.0
25°	64.3	44.5	30.9	22.3	14.8	8.7	7.4	2.5	0.0	0.0	0.0
27.5°	79.2	48.3	30.9	21.0	13.6	7.4	6.2	1.2	0.0	0.0	0.0
30°	95.3	52.0	30.9	21.0	12.4	6.2	4.9	0.0	0.0	0.0	0.0
32.5°	112.6	56.9	30.9	19.8	11.1	4.9	3.7	0.0	0.0	0.0	0.0
35°	144.8	64.3	30.9	19.8	9.9	3.7	2.5	0.0	0.0	0.0	0.0
37.5°	159.6	74.2	30.9	18.6	9.9	2.5	1.2	0.0	0.0	0.0	0.0
40°	165.8	71.8	29.7	18.6	8.7	1.2	0.0	0.0	0.0	0.0	0.0
42.5°	179.4	66.8	30.9	17.3	8.7	1.2	0.0	0.0	0.0	0.0	0.0
45°	219.0	66.8	33.4	17.3	7.4	2.5	0.0	0.0	0.0	0.0	0.0
47.5°	379.8	69.3	32.2	17.3	7.4	2.5	0.0	0.0	0.0	0.0	0.0
50°	624.8	81.7	30.9	18.6	8.7	1.2	0.0	0.0	0.0	0.0	0.0
52.5°	725.0	99.0	30.9	19.8	11.1	0.0	0.0	0.0	0.0	0.0	0.0
55°	695.3	121.2	30.9	21.0	13.6	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	632.2	115.1	33.4	24.7	17.3	0.0	0.0	0.0	0.0	0.0	0.0
58°	608.7	115.1	33.4	24.7	17.3	0.0	0.0	0.0	0.0	0.0	0.0
60°	477.6	117.5	38.4	27.2	18.6	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	355.1	120.0	43.3	30.9	18.6	1.2	0.0	0.0	0.0	0.0	0.0
65°	263.5	125.0	45.8	35.9	17.3	2.5	0.0	0.0	0.0	0.0	0.0
67.5°	210.3	128.7	49.5	39.6	19.8	4.9	1.2	0.0	0.0	0.0	0.0
70°	180.6	123.7	53.2	40.8	18.6	7.4	3.7	0.0	0.0	0.0	0.0
72.5°	160.8	116.3	60.6	39.6	19.8	7.4	3.7	0.0	0.0	0.0	0.0
75°	144.8	106.4	69.3	38.4	19.8	7.4	4.9	0.0	0.0	0.0	0.0
77.5°	108.9	92.8	68.0	37.1	18.6	7.4	4.9	0.0	0.0	0.0	0.0
80°	54.4	61.9	59.4	33.4	14.8	6.2	4.9	1.2	0.0	0.0	0.0
82.5°	22.3	23.5	29.7	24.7	12.4	4.9	4.9	1.2	0.0	0.0	0.0
85°	2.5	4.9	8.7	9.9	8.7	4.9	4.9	1.2	0.0	0.0	0.0
87.5°	0.0	1.2	4.9	7.4	6.2	3.7	2.5	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
2.5°	2.5	2.5	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
5°	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
2.5°	1.2	2.5	2.5	2.5	3.7	3.7	4.9	6.2	6.2	6.2	7.4
5°	0.0	0.0	1.2	1.2	2.5	3.7	4.9	7.4	8.7	8.7	9.9
7.5°	0.0	0.0	0.0	1.2	2.5	3.7	4.9	7.4	9.9	11.1	12.4
10°	0.0	0.0	0.0	0.0	1.2	2.5	4.9	8.7	12.4	14.8	17.3
12.5°	0.0	0.0	0.0	0.0	0.0	1.2	4.9	9.9	14.8	18.6	21.0
15°	0.0	0.0	0.0	0.0	0.0	1.2	4.9	9.9	18.6	22.3	27.2
17.5°	0.0	0.0	0.0	0.0	0.0	0.0	4.9	11.1	21.0	27.2	37.1
20°	0.0	0.0	0.0	0.0	0.0	0.0	3.7	11.1	23.5	33.4	55.7
22.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.7	11.1	26.0	43.3	102.7
25°	0.0	0.0	0.0	0.0	0.0	0.0	2.5	11.1	29.7	64.3	170.7
27.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.5	12.4	35.9	90.3	249.9
30°	0.0	0.0	0.0	0.0	0.0	0.0	2.5	12.4	44.5	122.5	348.9
32.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.2	12.4	52.0	154.6	475.1
35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.1	61.9	205.4	596.3
37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.1	76.7	226.4	699.0
40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.9	73.0	246.2	816.5
42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.1	66.8	274.7	1000.9
45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.1	66.8	363.7	1409.2
47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.9	81.7	566.6	2153.9
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.4	105.2	869.7	3067.0
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.2	127.4	1070.2	3596.5
55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.2	153.4	1071.4	3579.2
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.4	170.7	958.8	3230.3
58°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.7	169.5	927.9	3133.8
60°	0.0	0.0	0.0	0.0	0.0	0.0	1.2	12.4	148.5	805.4	2735.4
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	4.9	19.8	129.9	577.8	2267.8
65°	0.0	0.0	0.0	0.0	0.0	0.0	9.9	22.3	118.8	419.4	1702.4
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	12.4	26.0	113.8	296.9	1184.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	14.8	29.7	105.2	212.8	779.4
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	14.8	37.1	99.0	167.0	470.1
75°	0.0	0.0	0.0	0.0	0.0	0.0	14.8	47.0	86.6	136.1	252.4
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	14.8	50.7	71.8	99.0	153.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	13.6	45.8	52.0	43.3	52.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	7.4	27.2	11.1	11.1	17.3
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°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
2.5°	8.7	8.7	8.7	8.7	9.9	9.9	13.6	17.3	21.0	22.3
5°	11.1	12.4	13.6	13.6	13.6	14.8	17.3	19.8	23.5	24.7
7.5°	16.1	17.3	19.8	19.8	19.8	21.0	22.3	24.7	27.2	27.2
10°	21.0	24.7	26.0	27.2	28.5	28.5	28.5	29.7	30.9	29.7
12.5°	28.5	33.4	39.6	40.8	40.8	40.8	39.6	37.1	34.6	33.4
15°	39.6	54.4	74.2	81.7	77.9	69.3	60.6	47.0	40.8	38.4
17.5°	73.0	148.5	269.7	298.2	292.0	251.1	147.2	71.8	48.3	42.1
20°	196.7	480.0	791.8	867.3	906.9	751.0	434.3	167.0	59.4	45.8
22.5°	424.4	997.2	1545.2	1740.7	1753.1	1410.4	845.0	339.0	85.4	52.0
25°	682.9	1594.7	2342.0	2531.3	2535.0	2173.7	1351.0	549.3	129.9	64.3
27.5°	1046.7	2235.6	3071.9	3229.1	3226.6	2860.4	1952.3	838.8	181.9	79.2
30°	1419.1	2735.4	3553.2	3748.7	3767.2	3329.3	2454.6	1181.5	237.5	95.3
32.5°	1787.7	3105.3	3992.4	4252.2	4236.1	3743.7	2804.7	1462.4	332.8	112.6
35°	2078.5	3420.8	4478.6	4797.8	4810.2	4199.0	3115.2	1734.5	414.5	144.8
37.5°	2327.1	3827.9	5125.7	5494.3	5510.4	4765.6	3440.6	2001.8	485.0	159.6
40°	2634.0	4495.9	6197.1	6823.1	6825.6	5822.2	4025.8	2301.2	580.2	165.8
42.5°	3323.1	5927.4	8290.4	9189.8	9267.8	8014.5	5355.8	2950.7	729.9	179.4
45°	4701.3	7814.1	10960.2	11995.8	12094.7	10742.5	7635.9	4450.2	1059.0	219.0
47.5°	6340.6	9454.6	12511.7	13508.8	13574.4	12032.9	9162.6	6184.7	1802.6	379.8
50°	7348.9	10062.0	13082.0	14033.4	14044.5	12457.2	9641.4	7085.4	2568.4	624.8
52.5°	7661.9	10140.0	13104.3	14254.9	14287.0	12407.7	9707.0	7267.2	2887.6	725.0
55°	7534.5	10094.2	13339.3	14678.0	14712.6	12609.4	9662.4	7068.0	2737.9	695.3
57.5°	7243.7	10272.4	13725.3	15180.3	15180.3	12981.8	9827.0	6734.0	2371.7	632.2
58°	7200.4	10316.9	13746.4	15207.5	15196.4	13005.3	9895.0	6685.8	2291.3	608.7
60°	7141.0	10454.2	13590.5	14805.4	14773.2	12839.5	10018.7	6642.5	1901.6	477.6
62.5°	7054.4	10144.9	12454.8	13622.7	13539.8	11677.8	9663.7	6388.8	1419.1	355.1
65°	6610.3	9003.0	10382.5	11191.6	11165.6	9606.8	8317.6	5723.2	1021.9	263.5
67.5°	5572.3	7048.3	8386.9	9361.8	9368.0	7842.5	6505.1	4573.9	695.3	210.3
70°	3919.4	5198.7	7129.9	8214.9	8264.4	6578.1	4818.8	3048.4	459.0	180.6
72.5°	2340.8	3926.8	5928.6	6752.6	6726.6	5458.5	3575.5	1817.4	279.6	160.8
75°	1134.5	2346.9	2996.5	3475.3	3455.5	2730.5	1905.3	890.8	204.1	144.8
77.5°	308.1	721.3	1160.5	1509.4	1550.2	1093.7	624.8	238.8	127.4	108.9
80°	103.9	222.7	378.6	514.7	528.3	472.6	235.1	84.1	55.7	54.4
82.5°	39.6	54.4	69.3	61.9	61.9	64.3	50.7	35.9	26.0	22.3
85°	0.0	0.0	1.2	2.5	2.5	3.7	3.7	3.7	2.5	2.5
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: SP1-2407-184-6

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-750-U-5WQ

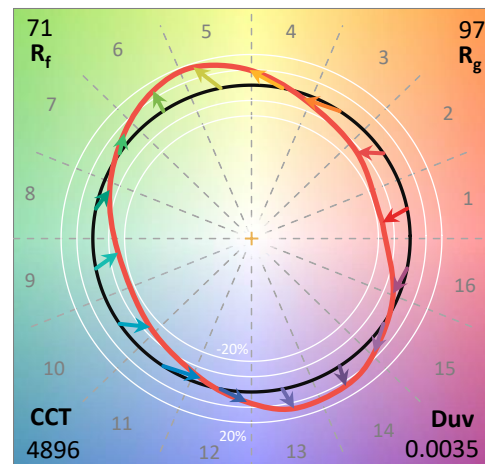
Data in this report applies to families of products including GSS-SB1A-750-U-5WQ

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-6
 Test Lab: COOPER LIGHTING SOLUTIONS
 Photometer: SP1 - 76IN SPHERE
 Measurement Geometry: 4π
 Issue Date: 10/15/2024
 Manufacturer: COOPER LIGHTING SOLUTIONS
 Product Line: McGraw-Edison
 Catalog Number: **GSS-SB1A-750-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI
 5000K CCT 26 LEDS

Spectral Parameters

CCT (K):	4896	CRI (Ra):	70.2		
CIE u':	0.2101	R1:	68.1	R9:	-35.1
CIE v':	0.4901	R2:	73.9	R10:	39.3
Duv:	0.0035	R3:	79.4	R11:	71.1
CIE x:	0.3489	R4:	72.1	R12:	43.8
CIE y:	0.3618	R5:	69.2	R13:	68.1
CIE z:	0.2893	R6:	65.7	R14:	88.4
Peak Wavelength (nm):	443	R7:	78.1	R15:	59.7
Dominant Wavelength (nm):	570	R8:	55.3		
Purity:	13.25435				
Rf:	70.7				
Rg:	96.8				



Test Conditions

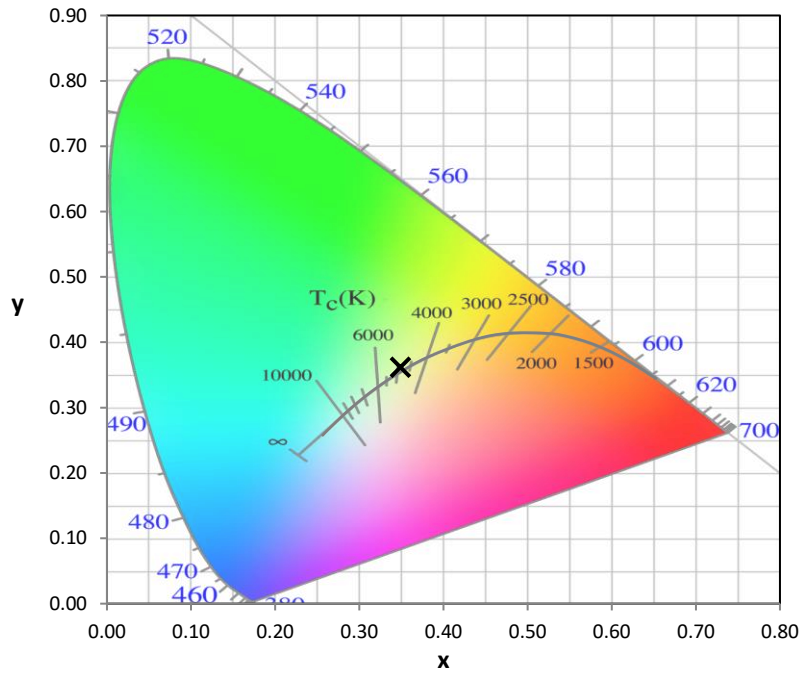
Stabilization Time: 21M
 Operation Time: 1H 21M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-6

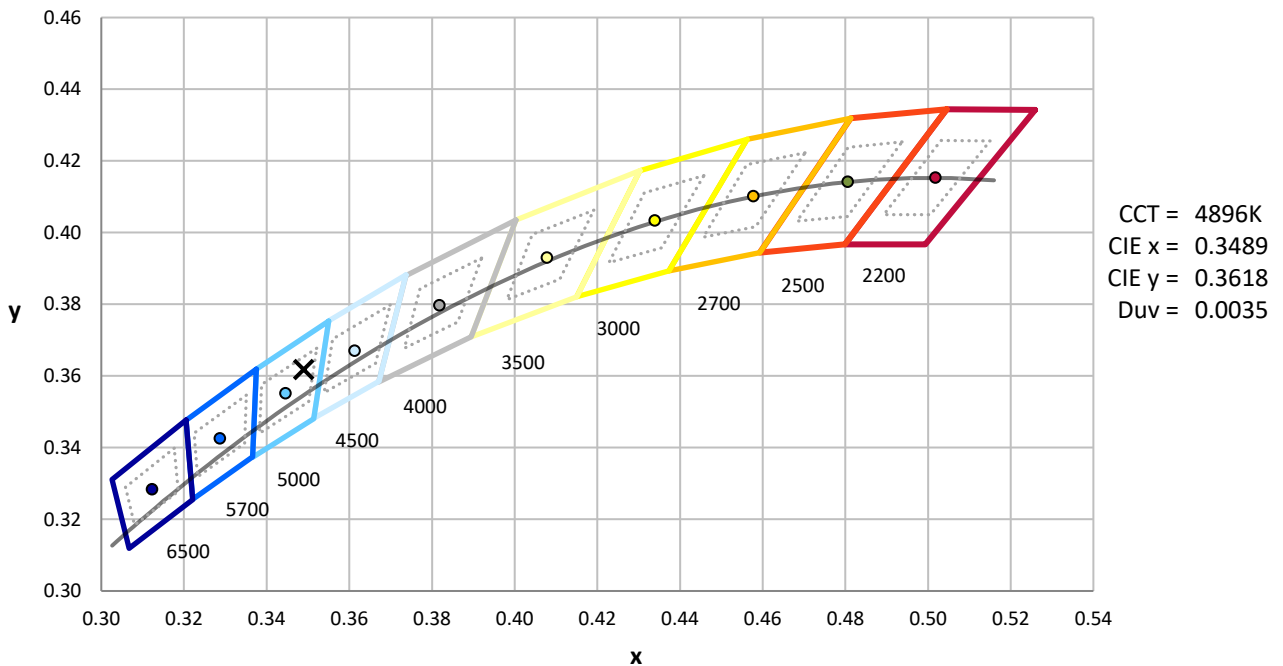
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



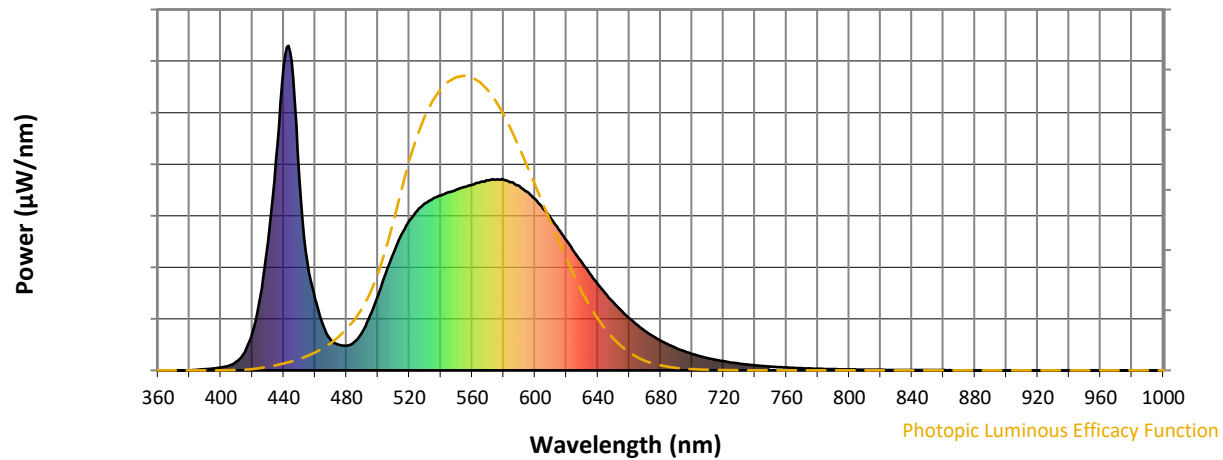
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 5000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-6

Photopic Flux vs. Wavelength

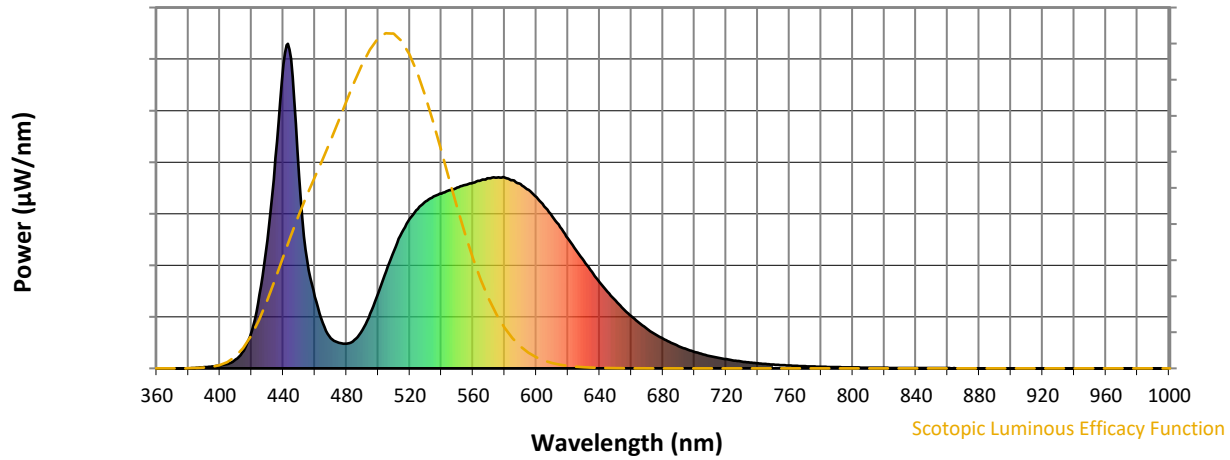


Photopic Lumens: NR

λ (nm)	Power W/nm	Lumens (ϕ/nm)	λ (nm)	Power W/nm	Lumens (ϕ/nm)	λ (nm)	Power W/nm	Lumens (ϕ/nm)	λ (nm)	Power W/nm	Lumens (ϕ/nm)	λ (nm)	Power W/nm	Lumens (ϕ/nm)
360	0	NR	490	118	NR	620	401	NR	750	12	NR	880	0	NR
365	0	NR	495	168	NR	625	365	NR	755	10	NR	885	0	NR
370	0	NR	500	230	NR	630	331	NR	760	9	NR	890	0	NR
375	0	NR	505	299	NR	635	298	NR	765	8	NR	895	0	NR
380	0	NR	510	362	NR	640	266	NR	770	6	NR	900	0	NR
385	2	NR	515	418	NR	645	236	NR	775	6	NR	905	0	NR
390	4	NR	520	461	NR	650	209	NR	780	5	NR	910	0	NR
395	6	NR	525	491	NR	655	184	NR	785	4	NR	915	0	NR
400	9	NR	530	514	NR	660	160	NR	790	4	NR	920	0	NR
405	14	NR	535	530	NR	665	140	NR	795	3	NR	925	0	NR
410	27	NR	540	539	NR	670	122	NR	800	3	NR	930	0	NR
415	55	NR	545	549	NR	675	106	NR	805	2	NR	935	0	NR
420	115	NR	550	557	NR	680	92	NR	810	2	NR	940	0	NR
425	226	NR	555	565	NR	685	79	NR	815	2	NR	945	0	NR
430	395	NR	560	572	NR	690	68	NR	820	2	NR	950	0	NR
435	648	NR	565	580	NR	695	59	NR	825	1	NR	955	0	NR
440	937	NR	570	586	NR	700	51	NR	830	1	NR	960	0	NR
445	953	NR	575	588	NR	705	44	NR	835	1	NR	965	0	NR
450	591	NR	580	588	NR	710	38	NR	840	1	NR	970	0	NR
455	334	NR	585	580	NR	715	32	NR	845	1	NR	975	0	NR
460	221	NR	590	568	NR	720	28	NR	850	1	NR	980	0	NR
465	140	NR	595	550	NR	725	24	NR	855	1	NR	985	0	NR
470	93	NR	600	527	NR	730	21	NR	860	1	NR	990	0	NR
475	79	NR	605	499	NR	735	18	NR	865	0	NR	995	0	NR
480	76	NR	610	469	NR	740	15	NR	870	0	NR	1000	0	NR
485	87	NR	615	435	NR	745	13	NR	875	0	NR			

REPORT NUMBER: SP1-2407-184-6

Scotopic Flux vs. Wavelength



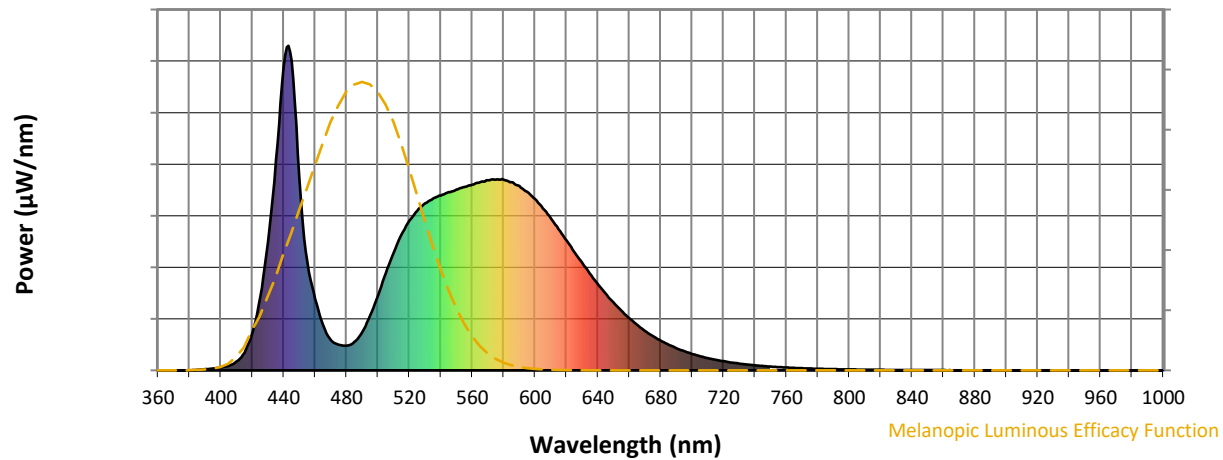
Scotopic Lumens: NR

S/P: 1.7

λ (nm)	Power W [^] /nm	Lumens (Φ/nm)	λ (nm)	Power W [^] /nm	Lumens (Φ/nm)	λ (nm)	Power W [^] /nm	Lumens (Φ/nm)	λ (nm)	Power W [^] /nm	Lumens (Φ/nm)	λ (nm)	Power W [^] /nm	Lumens (Φ/nm)
360	0	NR	490	118	NR	620	401	NR	750	12	NR	880	0	NR
365	0	NR	495	168	NR	625	365	NR	755	10	NR	885	0	NR
370	0	NR	500	230	NR	630	331	NR	760	9	NR	890	0	NR
375	0	NR	505	299	NR	635	298	NR	765	8	NR	895	0	NR
380	0	NR	510	362	NR	640	266	NR	770	6	NR	900	0	NR
385	2	NR	515	418	NR	645	236	NR	775	6	NR	905	0	NR
390	4	NR	520	461	NR	650	209	NR	780	5	NR	910	0	NR
395	6	NR	525	491	NR	655	184	NR	785	4	NR	915	0	NR
400	9	NR	530	514	NR	660	160	NR	790	4	NR	920	0	NR
405	14	NR	535	530	NR	665	140	NR	795	3	NR	925	0	NR
410	27	NR	540	539	NR	670	122	NR	800	3	NR	930	0	NR
415	55	NR	545	549	NR	675	106	NR	805	2	NR	935	0	NR
420	115	NR	550	557	NR	680	92	NR	810	2	NR	940	0	NR
425	226	NR	555	565	NR	685	79	NR	815	2	NR	945	0	NR
430	395	NR	560	572	NR	690	68	NR	820	2	NR	950	0	NR
435	648	NR	565	580	NR	695	59	NR	825	1	NR	955	0	NR
440	937	NR	570	586	NR	700	51	NR	830	1	NR	960	0	NR
445	953	NR	575	588	NR	705	44	NR	835	1	NR	965	0	NR
450	591	NR	580	588	NR	710	38	NR	840	1	NR	970	0	NR
455	334	NR	585	580	NR	715	32	NR	845	1	NR	975	0	NR
460	221	NR	590	568	NR	720	28	NR	850	1	NR	980	0	NR
465	140	NR	595	550	NR	725	24	NR	855	1	NR	985	0	NR
470	93	NR	600	527	NR	730	21	NR	860	1	NR	990	0	NR
475	79	NR	605	499	NR	735	18	NR	865	0	NR	995	0	NR
480	76	NR	610	469	NR	740	15	NR	870	0	NR	1000	0	NR
485	87	NR	615	435	NR	745	13	NR	875	0	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 3.37

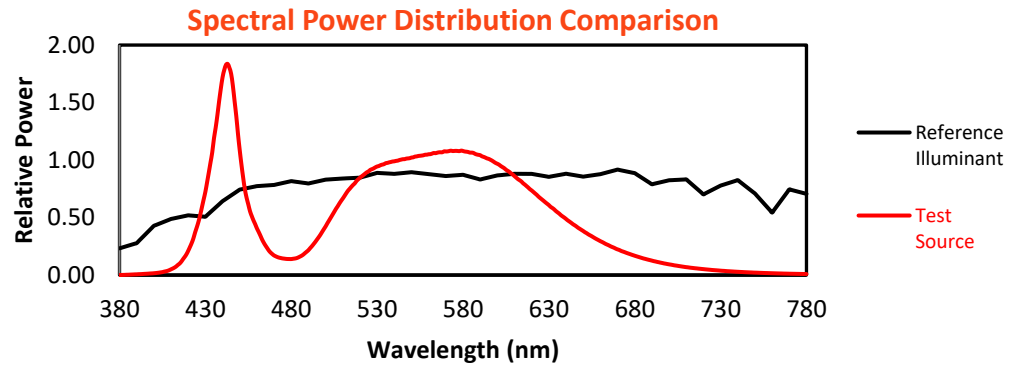
λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)
360	0	NR	490	118	NR	620	401	NR	750	12	NR	880	0	NR
365	0	NR	495	168	NR	625	365	NR	755	10	NR	885	0	NR
370	0	NR	500	230	NR	630	331	NR	760	9	NR	890	0	NR
375	0	NR	505	299	NR	635	298	NR	765	8	NR	895	0	NR
380	0	NR	510	362	NR	640	266	NR	770	6	NR	900	0	NR
385	2	NR	515	418	NR	645	236	NR	775	6	NR	905	0	NR
390	4	NR	520	461	NR	650	209	NR	780	5	NR	910	0	NR
395	6	NR	525	491	NR	655	184	NR	785	4	NR	915	0	NR
400	9	NR	530	514	NR	660	160	NR	790	4	NR	920	0	NR
405	14	NR	535	530	NR	665	140	NR	795	3	NR	925	0	NR
410	27	NR	540	539	NR	670	122	NR	800	3	NR	930	0	NR
415	55	NR	545	549	NR	675	106	NR	805	2	NR	935	0	NR
420	115	NR	550	557	NR	680	92	NR	810	2	NR	940	0	NR
425	226	NR	555	565	NR	685	79	NR	815	2	NR	945	0	NR
430	395	NR	560	572	NR	690	68	NR	820	2	NR	950	0	NR
435	648	NR	565	580	NR	695	59	NR	825	1	NR	955	0	NR
440	937	NR	570	586	NR	700	51	NR	830	1	NR	960	0	NR
445	953	NR	575	588	NR	705	44	NR	835	1	NR	965	0	NR
450	591	NR	580	588	NR	710	38	NR	840	1	NR	970	0	NR
455	334	NR	585	580	NR	715	32	NR	845	1	NR	975	0	NR
460	221	NR	590	568	NR	720	28	NR	850	1	NR	980	0	NR
465	140	NR	595	550	NR	725	24	NR	855	1	NR	985	0	NR
470	93	NR	600	527	NR	730	21	NR	860	1	NR	990	0	NR
475	79	NR	605	499	NR	735	18	NR	865	0	NR	995	0	NR
480	76	NR	610	469	NR	740	15	NR	870	0	NR	1000	0	NR
485	87	NR	615	435	NR	745	13	NR	875	0	NR			

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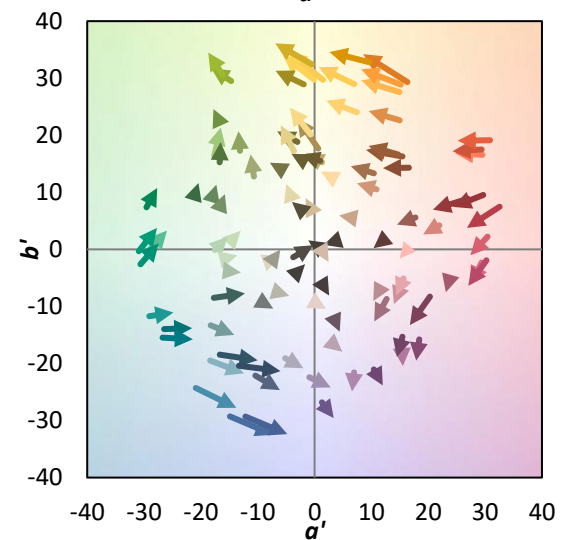
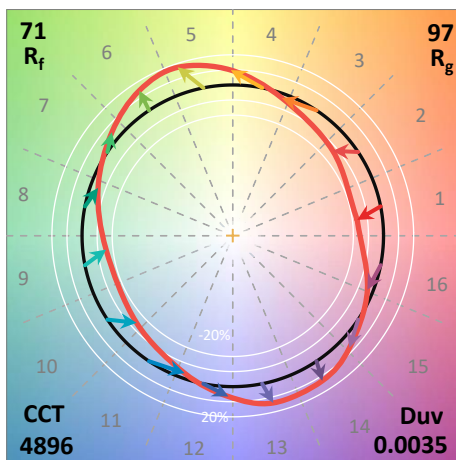
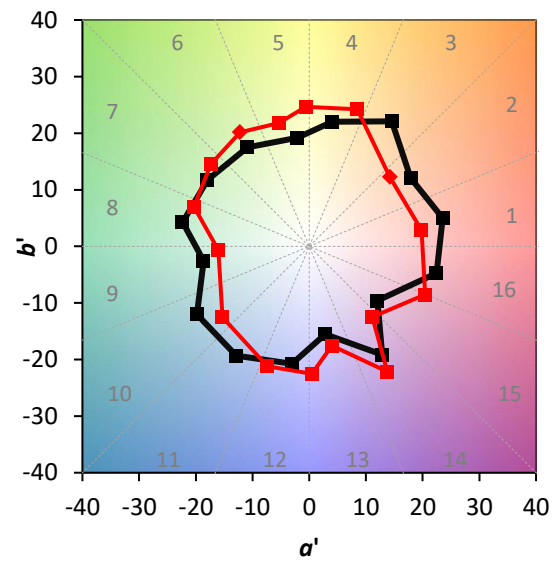
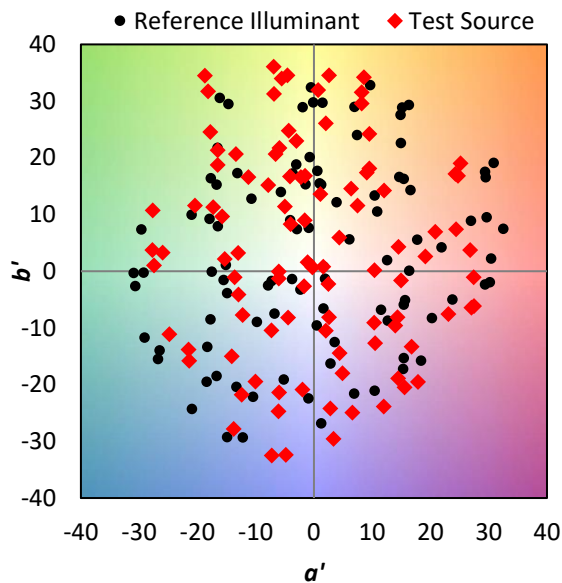
TM-30-18

Summary

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

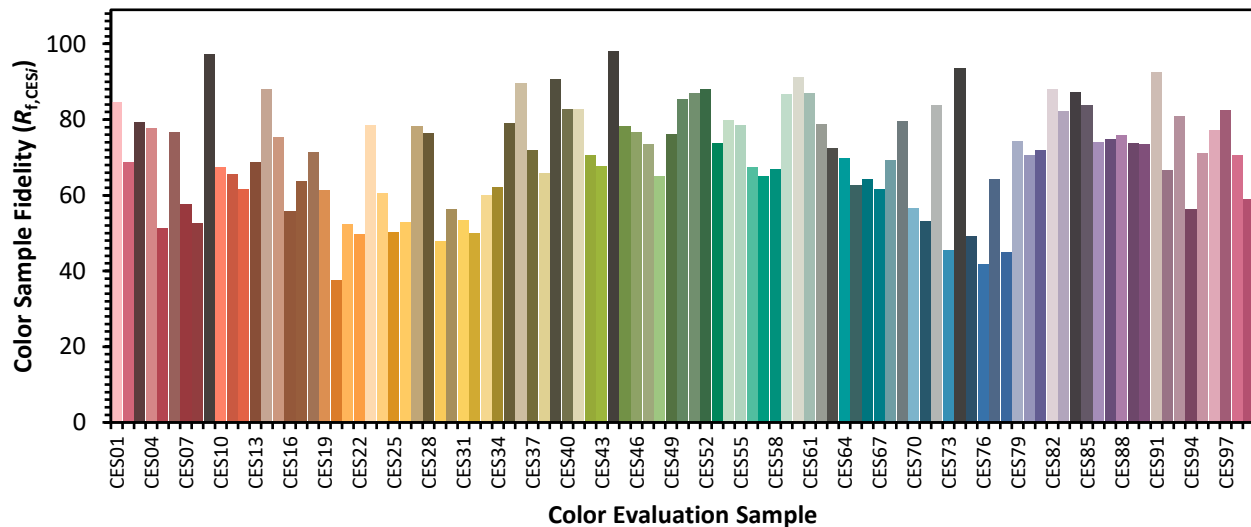


Color Vector Graphics

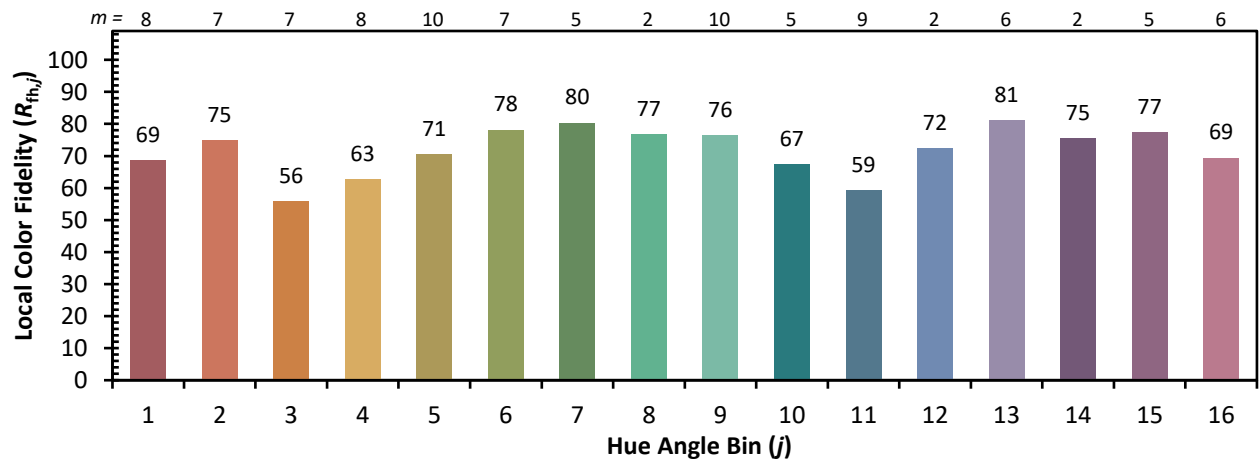
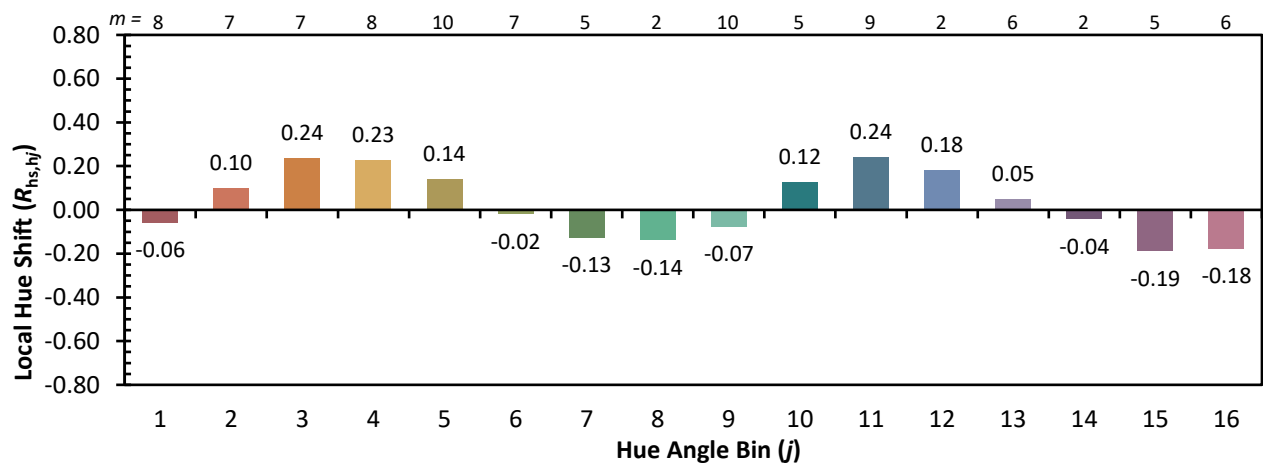
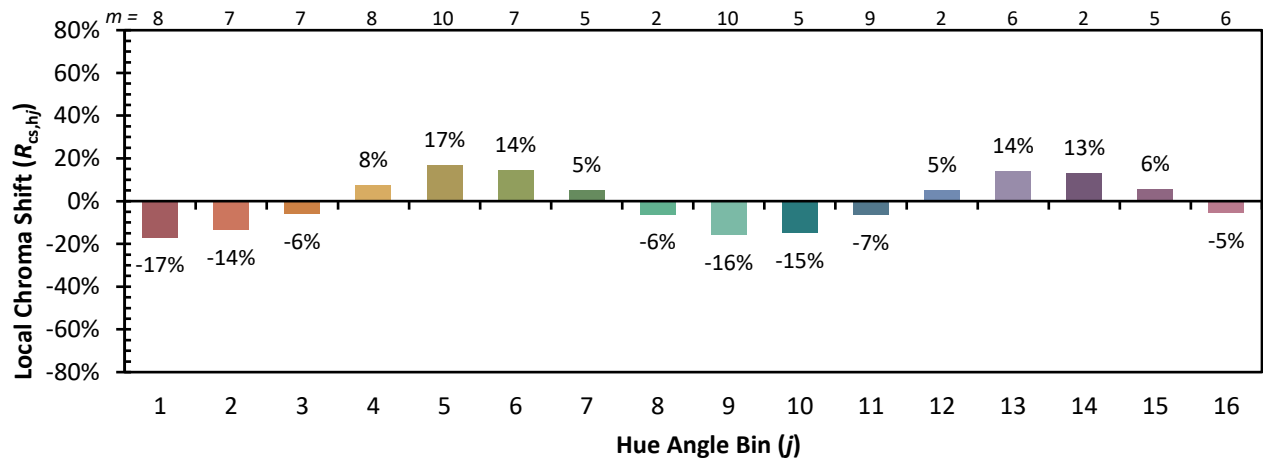


Individual Sample Fidelity Index ($R_{f,i}$)

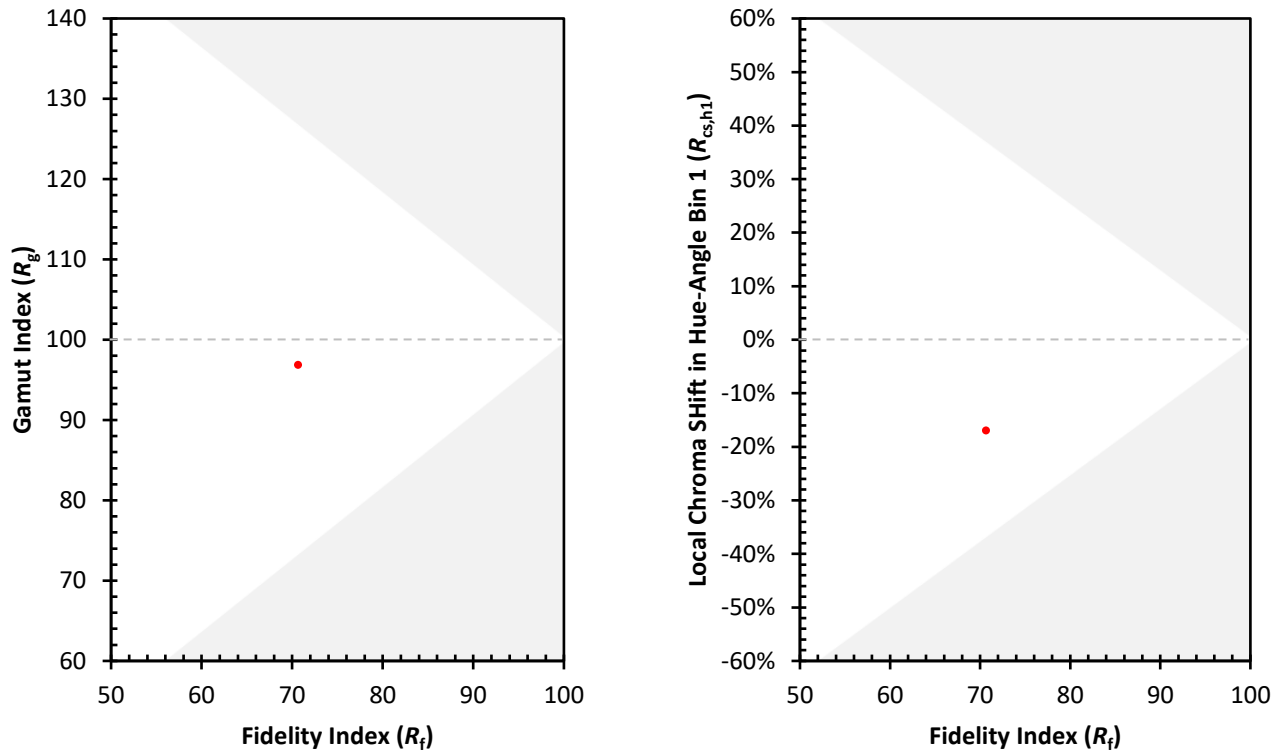
CES01 = 85	CES26 = 53	CES51 = 87	CES76 = 42
CES02 = 59	CES27 = 78	CES52 = 88	CES77 = 64
CES03 = 30	CES28 = 76	CES53 = 74	CES78 = 45
CES04 = 69	CES29 = 48	CES54 = 80	CES79 = 74
CES05 = 46	CES30 = 56	CES55 = 79	CES80 = 71
CES06 = 50	CES31 = 54	CES56 = 68	CES81 = 72
CES07 = 39	CES32 = 50	CES57 = 65	CES82 = 88
CES08 = 38	CES33 = 60	CES58 = 67	CES83 = 82
CES09 = 29	CES34 = 62	CES59 = 87	CES84 = 87
CES10 = 72	CES35 = 79	CES60 = 91	CES85 = 84
CES11 = 56	CES36 = 90	CES61 = 87	CES86 = 74
CES12 = 61	CES37 = 72	CES62 = 79	CES87 = 75
CES13 = 41	CES38 = 66	CES63 = 72	CES88 = 76
CES14 = 74	CES39 = 91	CES64 = 70	CES89 = 74
CES15 = 70	CES40 = 83	CES65 = 63	CES90 = 73
CES16 = 46	CES41 = 83	CES66 = 64	CES91 = 92
CES17 = 49	CES42 = 70	CES67 = 62	CES92 = 67
CES18 = 55	CES43 = 68	CES68 = 69	CES93 = 81
CES19 = 71	CES44 = 98	CES69 = 80	CES94 = 56
CES20 = 64	CES45 = 78	CES70 = 56	CES95 = 71
CES21 = 85	CES46 = 77	CES71 = 53	CES96 = 77
CES22 = 77	CES47 = 73	CES72 = 84	CES97 = 82
CES23 = 91	CES48 = 65	CES73 = 46	CES98 = 71
CES24 = 90	CES49 = 76	CES74 = 94	CES99 = 59
CES25 = 71	CES50 = 85	CES75 = 49	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)