

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: McGRAW-EDISON

Report Number: P991255

Luminaire Tested: **GPC-SA2A-735-U-RBC**

Issue Date: 07/03/2025

Test Information

Test Method: LM-79-08
Report Number: P991255
Test Lab: INNOVATION CENTER(G1)
Issue Date: 07/03/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GPC-SA2A-735-U-RBC
Description: GALLEON PEDESTRAIAN COMPANION 615mA 2xLight Square PACKAGE 70CRI
3500K FIXTURE w/ RIGHT CORNER BACKLIGHT CONTROL
Light Source: (28) 3500K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5804.8 lumens
Efficiency: N/A
Efficacy: 104.4 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: 24 FT

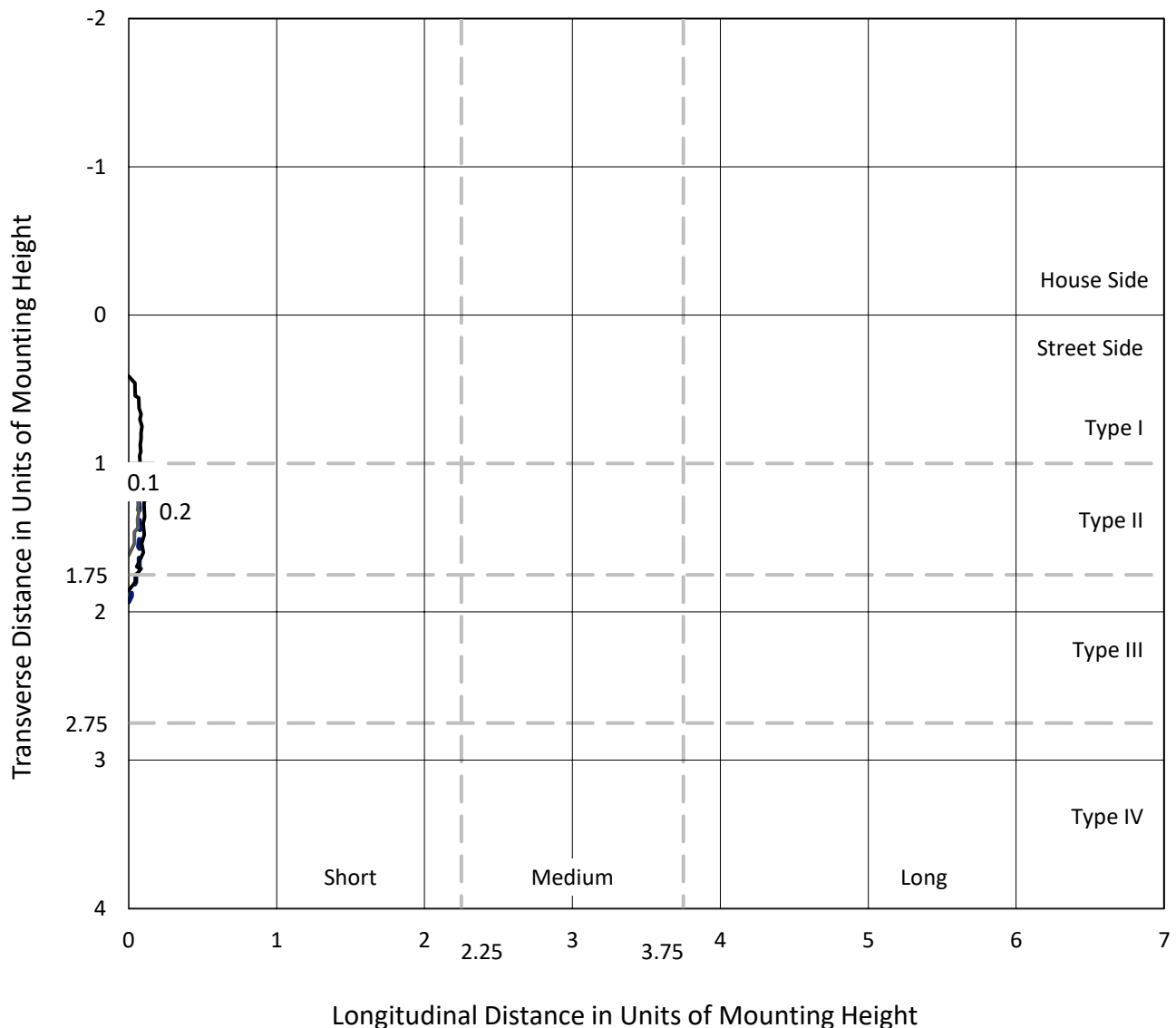


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Iso-Footcandle Lines of Horizontal Illumination

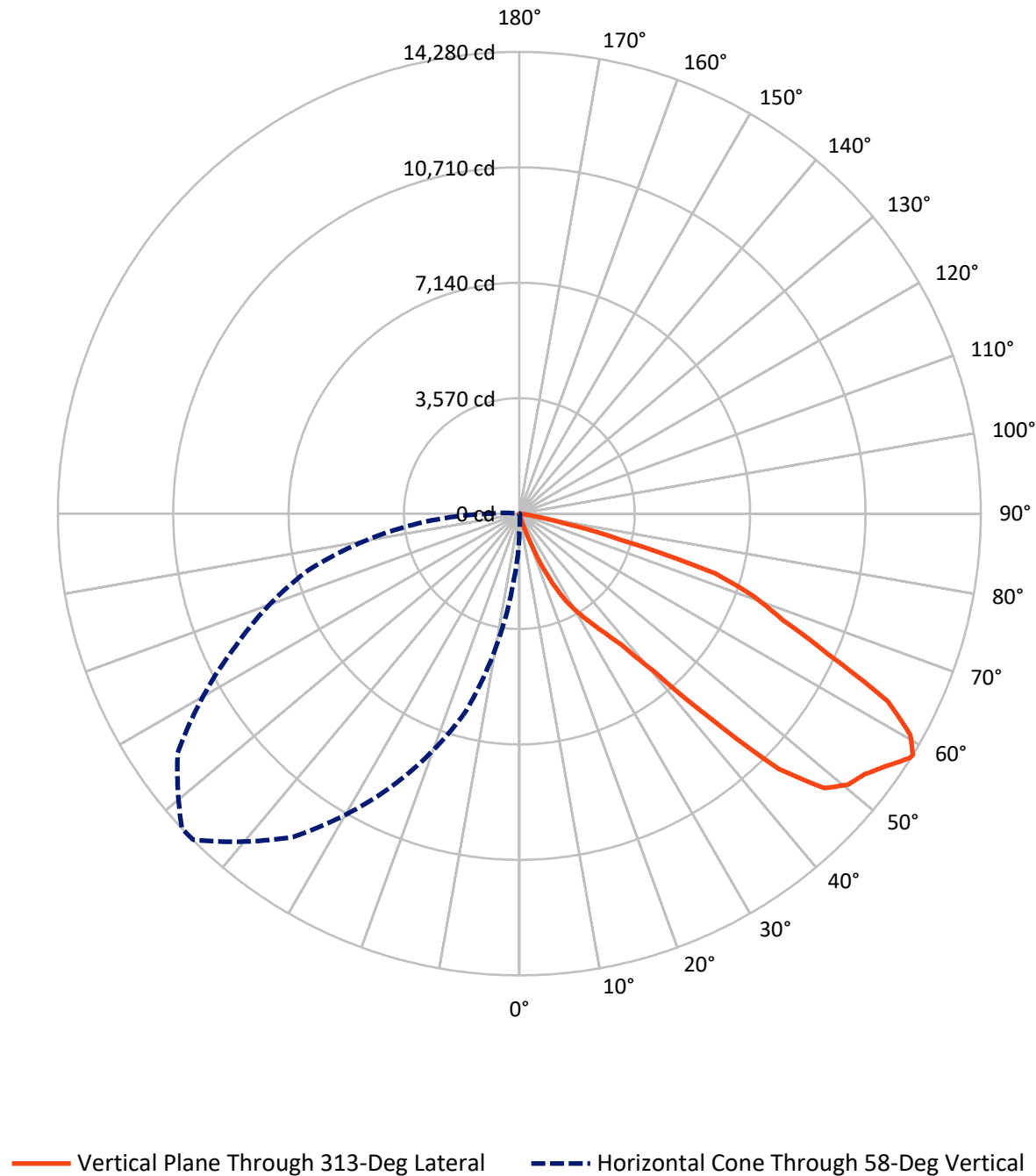
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 0.4 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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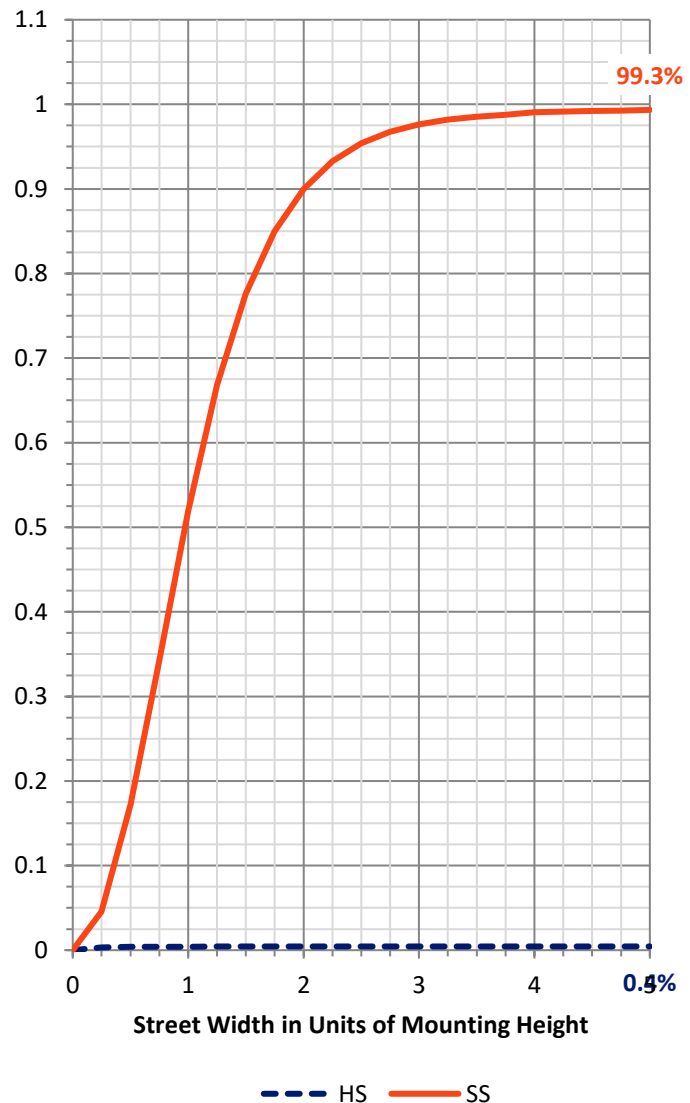
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	26.0	0.0	26.0
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	5778.8	0.0	5778.8
	% Fixture	99.6	0.0	99.6
Total	Lumens	5804.8	0.0	5804.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.8	0.0
10°-20°	10.1	0.2
20°-30°	146.6	2.5
30°-40°	421.4	7.3
40°-50°	1200.5	20.7
50°-60°	1888.3	32.5
60°-70°	1610.3	27.7
70°-80°	513.7	8.8
80°-90°	13.1	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°	5804.8	100.0
0°-180°	5804.8	100.0



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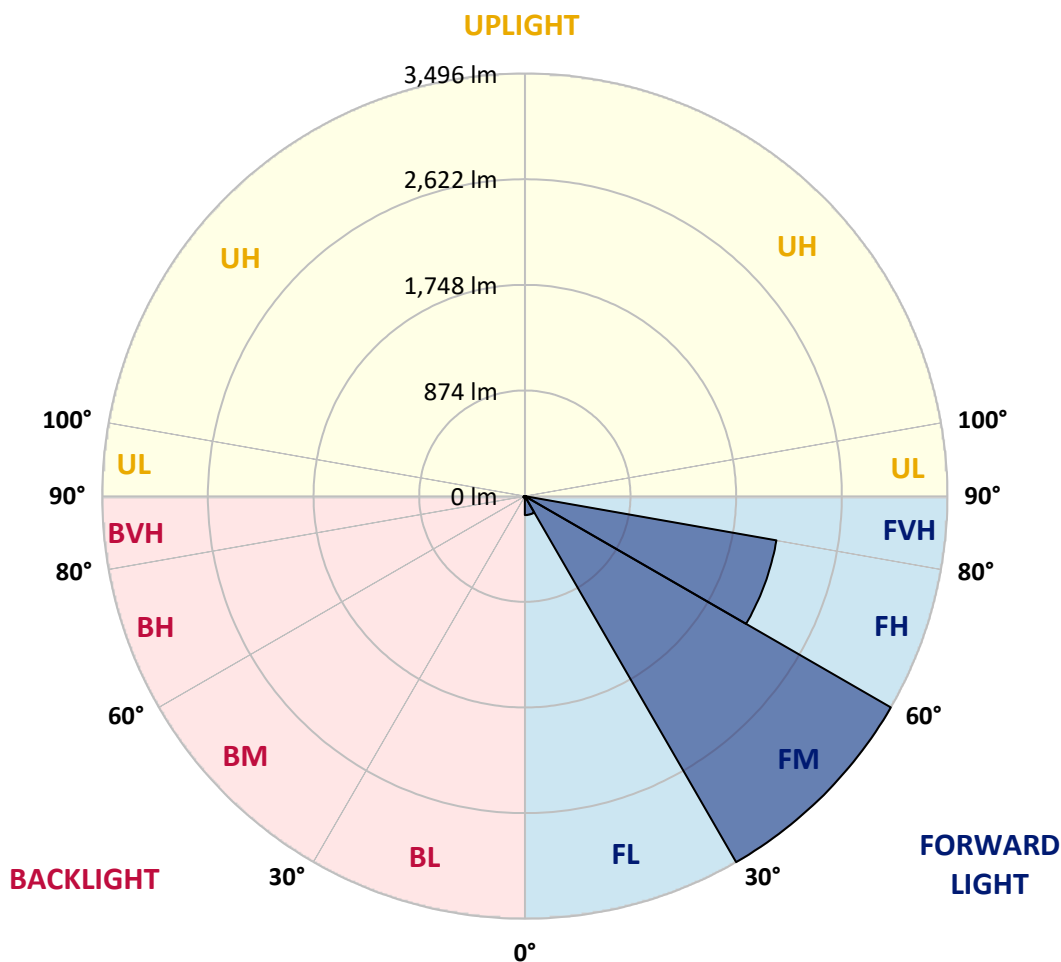
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	156.5	2.7			
FM	(30°-60°)	3496.3	60.2			
FH	(60°-80°)	2113.7	36.4			G2/5000
FVH	(80°-90°)	12.4	0.2			G1/100
BL	(0°-30°)	1.0	0.0	B0/110		
BM	(30°-60°)	13.9	0.2	B0/220		
BH	(60°-80°)	10.3	0.2	B0/110		G0/110
BVH	(80°-90°)	0.7	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°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
2.5°	20.9	22.1	23.2	22.1	19.7	15.1	15.1	11.6	8.1	4.6	3.5
5°	23.2	23.2	23.2	22.1	19.7	15.1	13.9	10.5	7.0	4.6	2.3
7.5°	25.6	25.6	24.4	22.1	18.6	15.1	13.9	10.5	7.0	3.5	0.0
10°	27.9	27.9	25.6	23.2	18.6	13.9	12.8	9.3	5.8	2.3	0.0
12.5°	31.4	30.2	26.7	23.2	18.6	12.8	12.8	9.3	4.6	1.2	0.0
15°	36.0	32.5	27.9	23.2	17.4	12.8	11.6	8.1	3.5	0.0	0.0
17.5°	39.5	36.0	29.0	22.1	16.3	11.6	10.5	7.0	3.5	0.0	0.0
20°	43.0	37.2	29.0	22.1	16.3	10.5	9.3	5.8	1.2	0.0	0.0
22.5°	48.8	39.5	29.0	22.1	15.1	9.3	8.1	4.6	0.0	0.0	0.0
25°	60.4	41.8	29.0	20.9	13.9	8.1	7.0	2.3	0.0	0.0	0.0
27.5°	74.3	45.3	29.0	19.7	12.8	7.0	5.8	1.2	0.0	0.0	0.0
30°	89.5	48.8	29.0	19.7	11.6	5.8	4.6	0.0	0.0	0.0	0.0
32.5°	105.7	53.4	29.0	18.6	10.5	4.6	3.5	0.0	0.0	0.0	0.0
35°	135.9	60.4	29.0	18.6	9.3	3.5	2.3	0.0	0.0	0.0	0.0
37.5°	149.9	69.7	29.0	17.4	9.3	2.3	1.2	0.0	0.0	0.0	0.0
40°	155.7	67.4	27.9	17.4	8.1	1.2	0.0	0.0	0.0	0.0	0.0
42.5°	168.4	62.7	29.0	16.3	8.1	1.2	0.0	0.0	0.0	0.0	0.0
45°	205.6	62.7	31.4	16.3	7.0	2.3	0.0	0.0	0.0	0.0	0.0
47.5°	356.6	65.1	30.2	16.3	7.0	2.3	0.0	0.0	0.0	0.0	0.0
50°	586.7	76.7	29.0	17.4	8.1	1.2	0.0	0.0	0.0	0.0	0.0
52.5°	680.8	92.9	29.0	18.6	10.5	0.0	0.0	0.0	0.0	0.0	0.0
55°	652.9	113.8	29.0	19.7	12.8	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	593.6	108.0	31.4	23.2	16.3	0.0	0.0	0.0	0.0	0.0	0.0
58°	571.6	108.0	31.4	23.2	16.3	0.0	0.0	0.0	0.0	0.0	0.0
60°	448.4	110.4	36.0	25.6	17.4	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	333.4	112.7	40.7	29.0	17.4	1.2	0.0	0.0	0.0	0.0	0.0
65°	247.4	117.3	43.0	33.7	16.3	2.3	0.0	0.0	0.0	0.0	0.0
67.5°	197.5	120.8	46.5	37.2	18.6	4.6	1.2	0.0	0.0	0.0	0.0
70°	169.6	116.2	50.0	38.3	17.4	7.0	3.5	0.0	0.0	0.0	0.0
72.5°	151.0	109.2	56.9	37.2	18.6	7.0	3.5	0.0	0.0	0.0	0.0
75°	135.9	99.9	65.1	36.0	18.6	7.0	4.6	0.0	0.0	0.0	0.0
77.5°	102.2	87.1	63.9	34.9	17.4	7.0	4.6	0.0	0.0	0.0	0.0
80°	51.1	58.1	55.8	31.4	13.9	5.8	4.6	1.2	0.0	0.0	0.0
82.5°	20.9	22.1	27.9	23.2	11.6	4.6	4.6	1.2	0.0	0.0	0.0
85°	2.3	4.6	8.1	9.3	8.1	4.6	4.6	1.2	0.0	0.0	0.0
87.5°	0.0	1.2	4.6	7.0	5.8	3.5	2.3	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°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
2.5°	2.3	2.3	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°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
2.5°	1.2	2.3	2.3	2.3	3.5	3.5	4.6	5.8	5.8	5.8	7.0
5°	0.0	0.0	1.2	1.2	2.3	3.5	4.6	7.0	8.1	8.1	9.3
7.5°	0.0	0.0	0.0	1.2	2.3	3.5	4.6	7.0	9.3	10.5	11.6
10°	0.0	0.0	0.0	0.0	1.2	2.3	4.6	8.1	11.6	13.9	16.3
12.5°	0.0	0.0	0.0	0.0	0.0	1.2	4.6	9.3	13.9	17.4	19.7
15°	0.0	0.0	0.0	0.0	0.0	1.2	4.6	9.3	17.4	20.9	25.6
17.5°	0.0	0.0	0.0	0.0	0.0	0.0	4.6	10.5	19.7	25.6	34.9
20°	0.0	0.0	0.0	0.0	0.0	0.0	3.5	10.5	22.1	31.4	52.3
22.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.5	10.5	24.4	40.7	96.4
25°	0.0	0.0	0.0	0.0	0.0	0.0	2.3	10.5	27.9	60.4	160.3
27.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.3	11.6	33.7	84.8	234.7
30°	0.0	0.0	0.0	0.0	0.0	0.0	2.3	11.6	41.8	115.0	327.6
32.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.2	11.6	48.8	145.2	446.1
35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.5	58.1	192.8	559.9
37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.5	72.0	212.6	656.4
40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.3	68.5	231.2	766.7
42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.5	62.7	257.9	939.8
45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.5	62.7	341.5	1323.2
47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.3	76.7	532.1	2022.6
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	98.7	816.7	2879.9
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	119.7	1004.9	3377.1
55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	144.1	1006.0	3360.9
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	160.3	900.3	3033.2
58°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.1	159.2	871.3	2942.6
60°	0.0	0.0	0.0	0.0	0.0	0.0	1.2	11.6	139.4	756.3	2568.6
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	4.6	18.6	122.0	542.5	2129.4
65°	0.0	0.0	0.0	0.0	0.0	0.0	9.3	20.9	111.5	393.8	1598.5
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	11.6	24.4	106.9	278.8	1111.8
70°	0.0	0.0	0.0	0.0	0.0	0.0	13.9	27.9	98.7	199.8	731.9
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	13.9	34.9	92.9	156.8	441.5
75°	0.0	0.0	0.0	0.0	0.0	0.0	13.9	44.1	81.3	127.8	237.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	13.9	47.6	67.4	92.9	144.1
80°	0.0	0.0	0.0	0.0	0.0	0.0	12.8	43.0	48.8	40.7	48.8
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	7.0	25.6	10.5	10.5	16.3
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°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
2.5°	8.1	8.1	8.1	8.1	9.3	9.3	12.8	16.3	19.7	20.9
5°	10.5	11.6	12.8	12.8	12.8	13.9	16.3	18.6	22.1	23.2
7.5°	15.1	16.3	18.6	18.6	18.6	19.7	20.9	23.2	25.6	25.6
10°	19.7	23.2	24.4	25.6	26.7	26.7	26.7	27.9	29.0	27.9
12.5°	26.7	31.4	37.2	38.3	38.3	38.3	37.2	34.9	32.5	31.4
15°	37.2	51.1	69.7	76.7	73.2	65.1	56.9	44.1	38.3	36.0
17.5°	68.5	139.4	253.3	280.0	274.2	235.8	138.2	67.4	45.3	39.5
20°	184.7	450.7	743.5	814.4	851.5	705.2	407.8	156.8	55.8	43.0
22.5°	398.5	936.3	1451.0	1634.5	1646.2	1324.4	793.5	318.3	80.2	48.8
25°	641.3	1497.5	2199.1	2376.9	2380.4	2041.1	1268.6	515.8	122.0	60.4
27.5°	982.8	2099.2	2884.5	3032.1	3029.8	2685.9	1833.2	787.6	170.8	74.3
30°	1332.5	2568.6	3336.5	3520.0	3537.4	3126.2	2304.8	1109.4	223.0	89.5
32.5°	1678.7	2915.9	3748.9	3992.8	3977.7	3515.4	2633.6	1373.2	312.5	105.7
35°	1951.7	3212.2	4205.4	4505.1	4516.8	3942.9	2925.2	1628.7	389.2	135.9
37.5°	2185.2	3594.4	4813.0	5159.2	5174.3	4474.9	3230.7	1879.7	455.4	149.9
40°	2473.3	4221.7	5819.0	6406.9	6409.2	5467.0	3780.2	2160.8	544.8	155.7
42.5°	3120.4	5565.8	7784.7	8629.2	8702.4	7525.6	5029.1	2770.7	685.4	168.4
45°	4414.5	7337.4	10291.7	11264.0	11357.0	10087.2	7170.1	4178.7	994.4	205.6
47.5°	5953.8	8877.8	11748.5	12684.8	12746.4	11298.9	8603.7	5807.4	1692.6	356.6
50°	6900.6	9448.3	12284.0	13177.4	13187.8	11697.3	9053.3	6653.2	2411.7	586.7
52.5°	7194.5	9521.4	12304.9	13385.3	13415.5	11650.9	9114.8	6823.9	2711.4	680.8
55°	7074.9	9478.5	12525.6	13782.6	13815.1	11840.2	9073.0	6636.9	2570.9	652.9
57.5°	6801.9	9645.7	12888.1	14254.3	14254.3	12189.9	9227.5	6323.2	2227.0	593.6
58°	6761.2	9687.6	12907.8	14279.8	14269.4	12212.0	9291.4	6277.9	2151.5	571.6
60°	6705.4	9816.5	12761.5	13902.3	13872.1	12056.3	9407.6	6237.3	1785.6	448.4
62.5°	6624.1	9526.1	11695.0	12791.7	12713.8	10965.5	9074.2	5999.1	1332.5	333.4
65°	6207.1	8453.8	9749.1	10508.9	10484.5	9020.7	7810.2	5374.1	959.6	247.4
67.5°	5232.4	6618.3	7875.3	8790.7	8796.5	7364.1	6108.3	4294.9	652.9	197.5
70°	3680.3	4881.5	6695.0	7713.8	7760.3	6176.9	4524.9	2862.5	431.0	169.6
72.5°	2198.0	3687.3	5567.0	6340.7	6316.3	5125.5	3357.4	1706.6	262.5	151.0
75°	1065.3	2203.8	2813.7	3263.3	3244.7	2563.9	1789.0	836.4	191.7	135.9
77.5°	289.3	677.3	1089.7	1417.3	1455.6	1027.0	586.7	224.2	119.7	102.2
80°	97.6	209.1	355.5	483.3	496.1	443.8	220.7	79.0	52.3	51.1
82.5°	37.2	51.1	65.1	58.1	58.1	60.4	47.6	33.7	24.4	20.9
85°	0.0	0.0	1.2	2.3	2.3	3.5	3.5	3.5	2.3	2.3
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

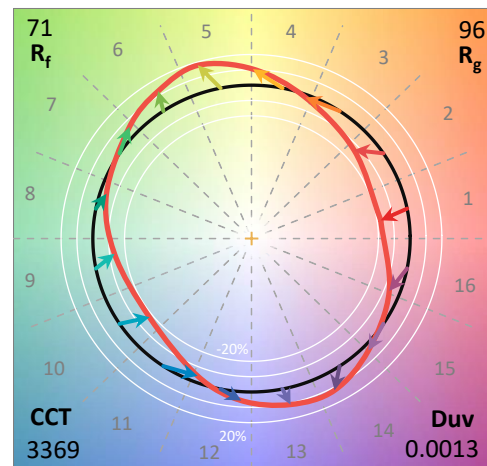
Test Information

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
 R_f: 71.4
 R_g: 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

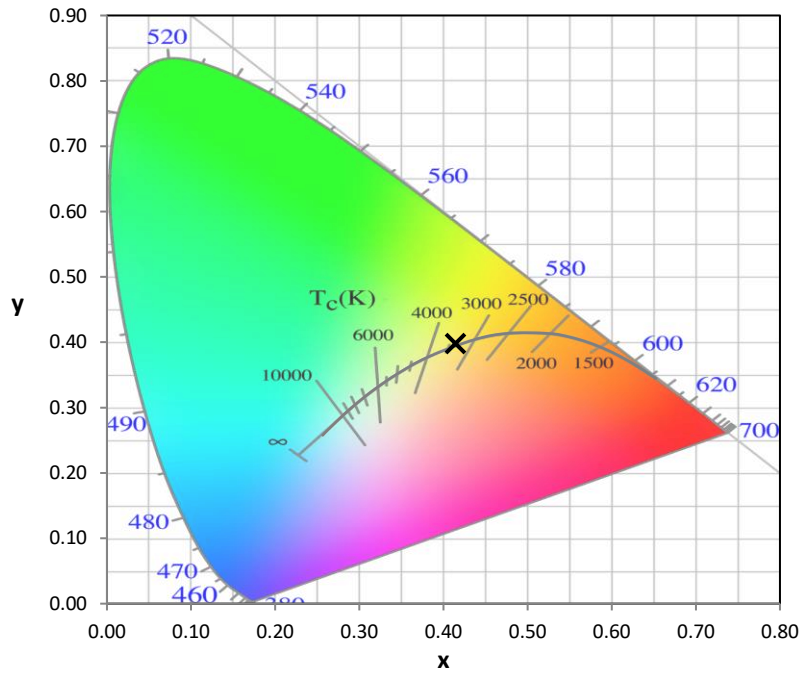
Stabilization Time: 21M
 Operation Time: 1H 21M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-5

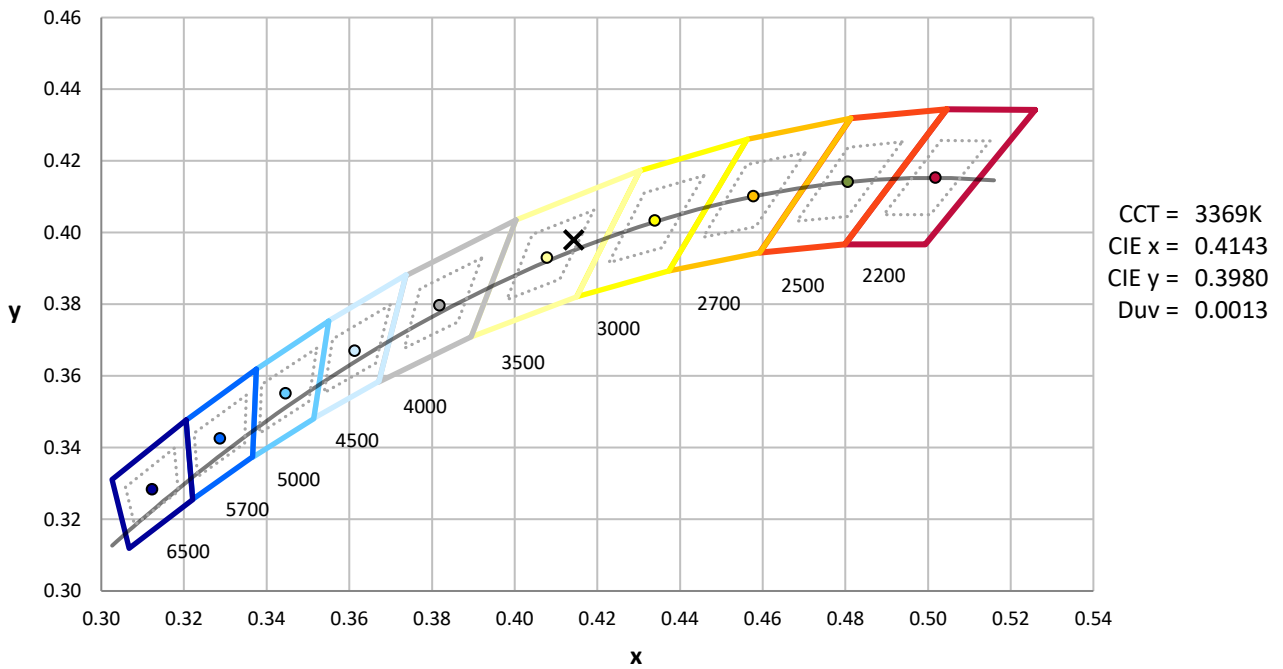
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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



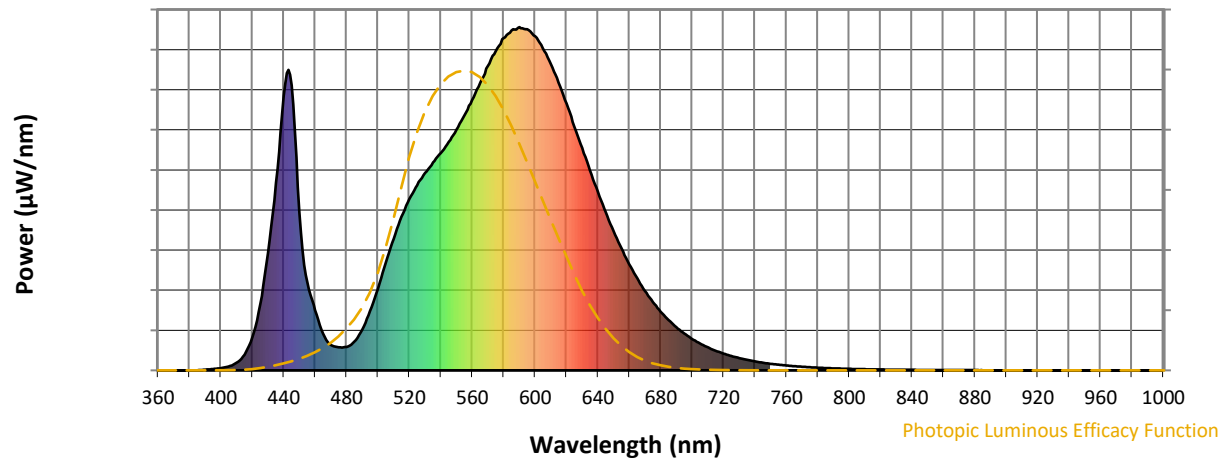
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3500K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-5

Photopic Flux vs. Wavelength

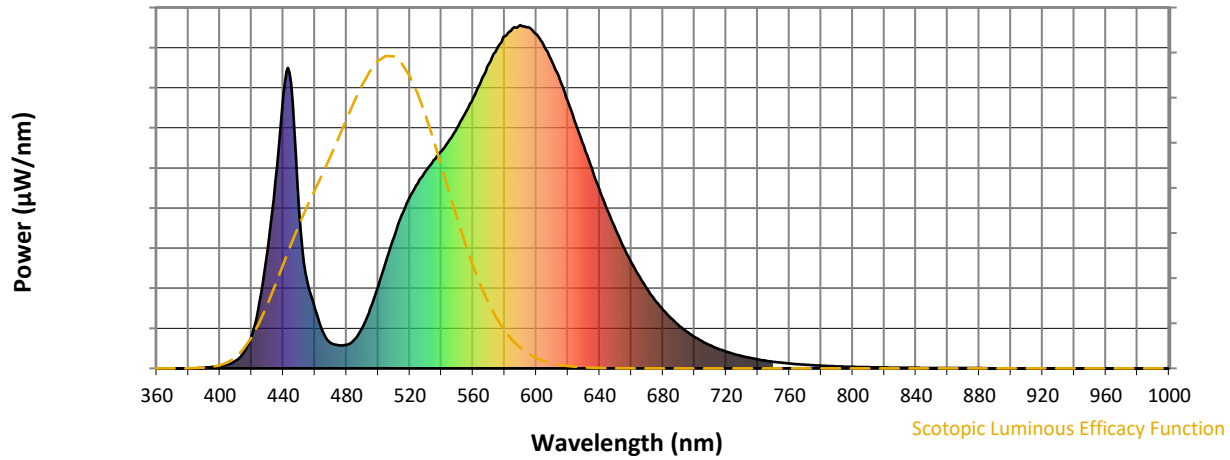


Photopic Lumens: NR

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			

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Scotopic Flux vs. Wavelength



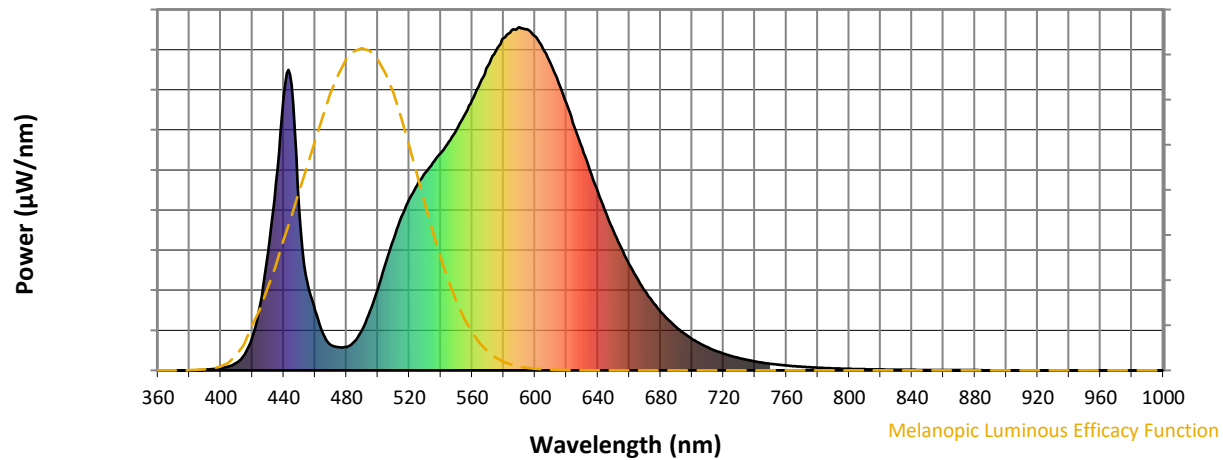
Scotopic Lumens: NR

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

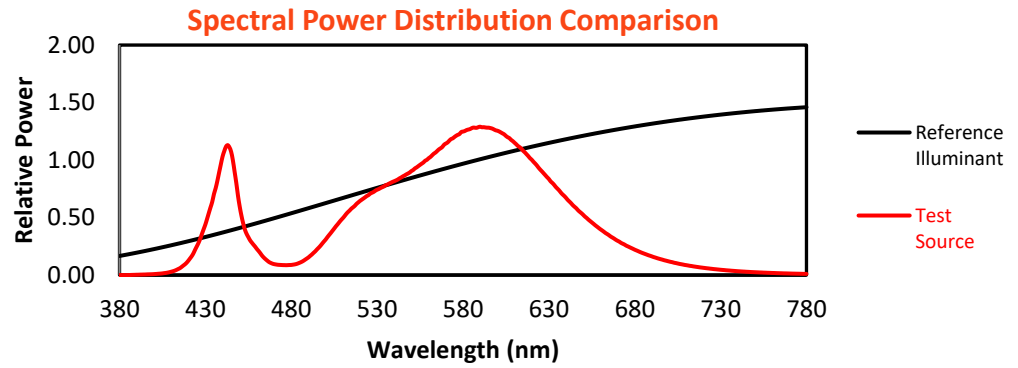
λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)
360	0	NR	490	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630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

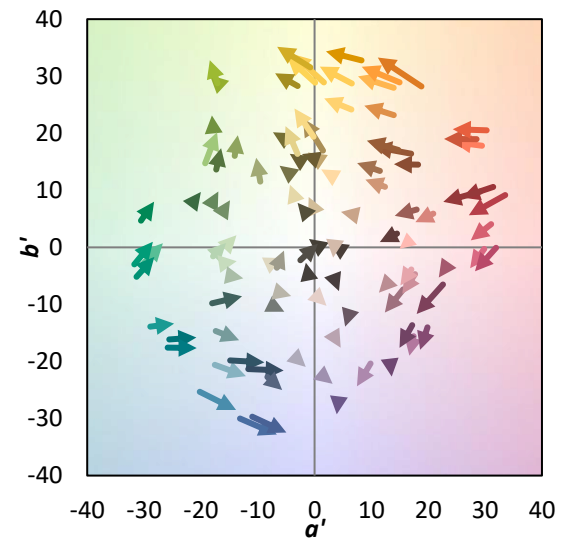
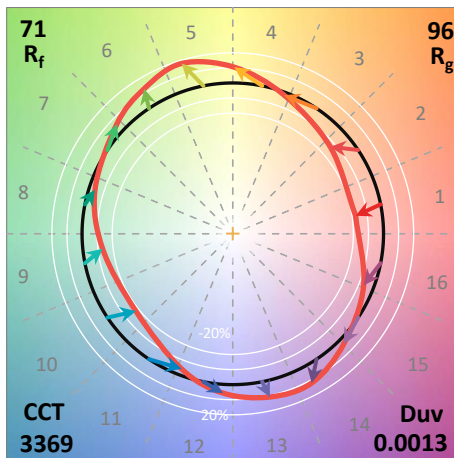
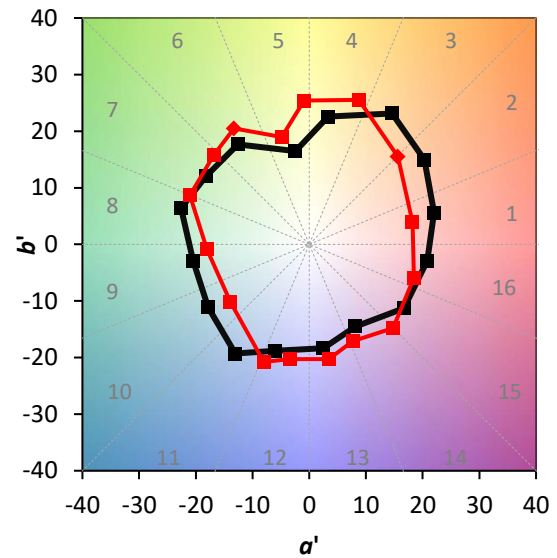
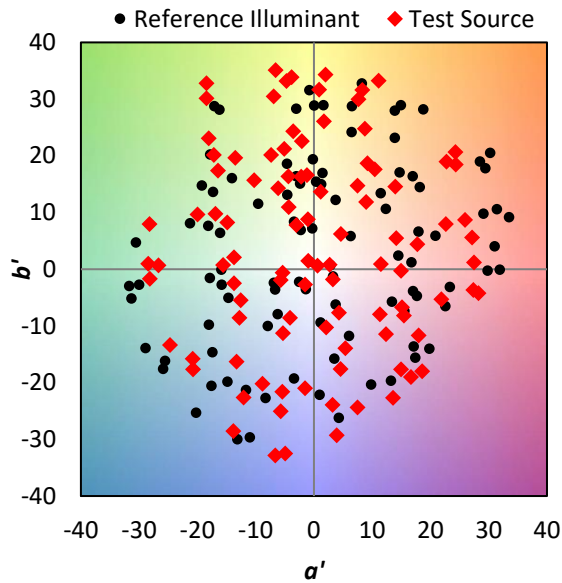
TM-30-18

Summary

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

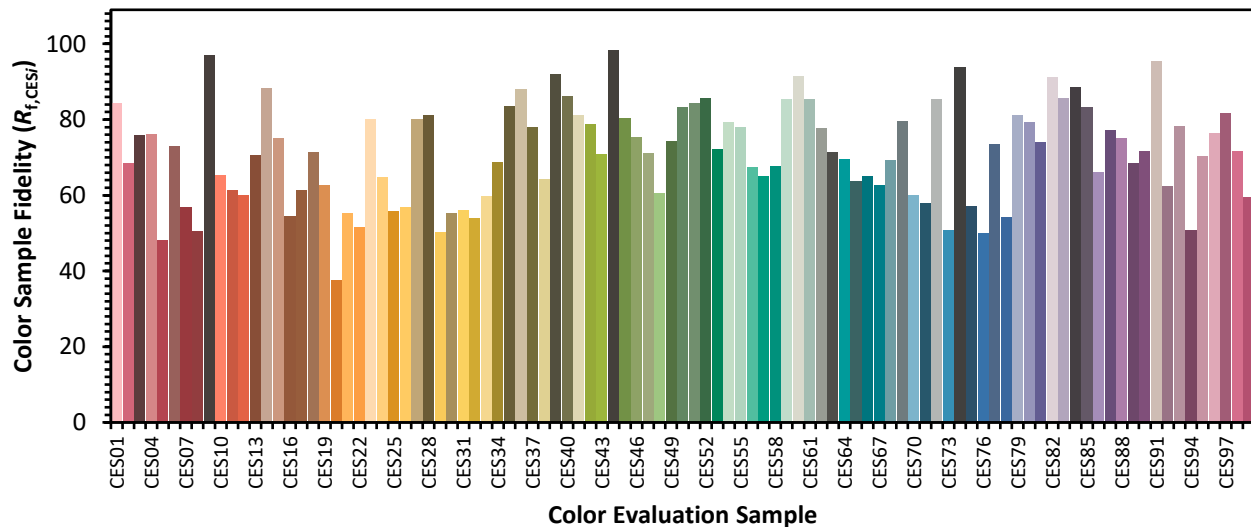


Color Vector Graphics

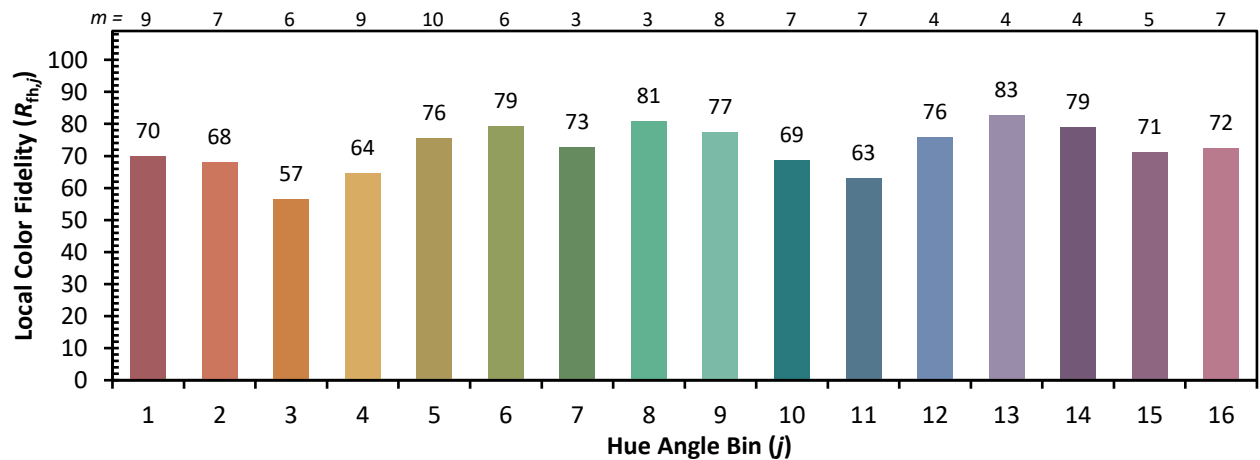
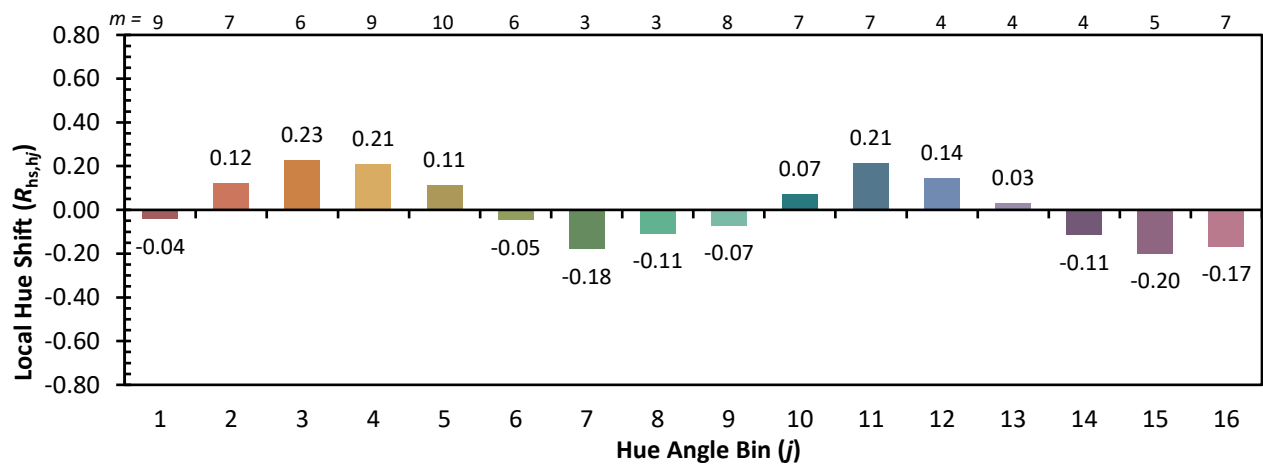
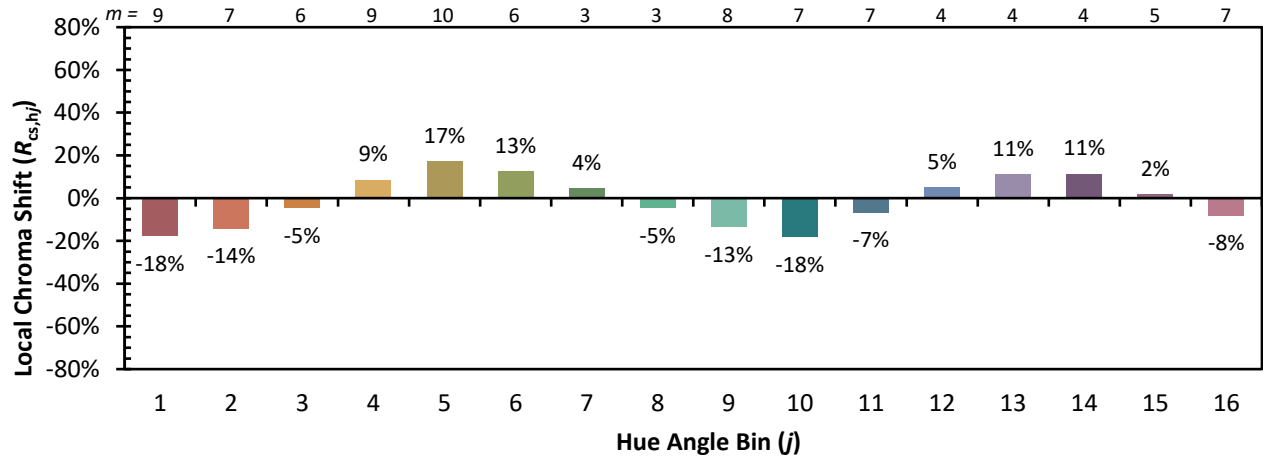


Individual Sample Fidelity Index ($R_{f,i}$)

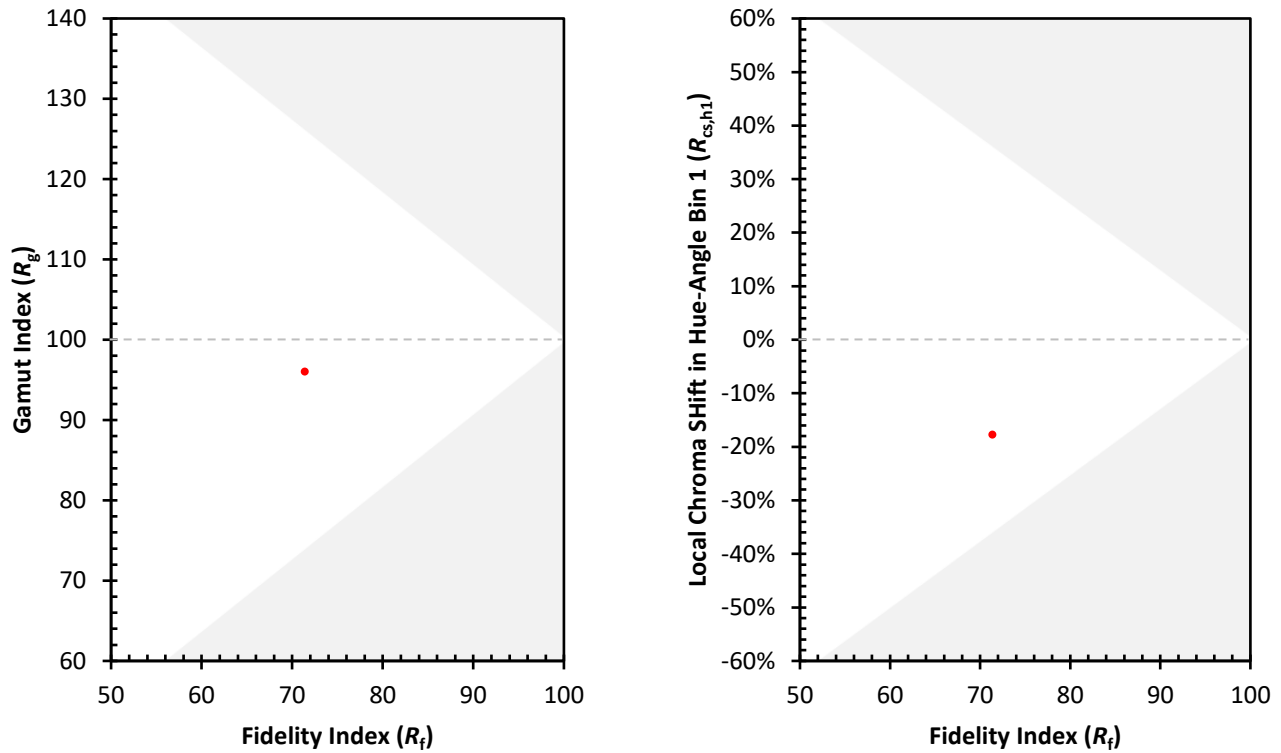
CES01 = 86	CES26 = 57	CES51 = 84	CES76 = 50
CES02 = 62	CES27 = 80	CES52 = 86	CES77 = 74
CES03 = 31	CES28 = 81	CES53 = 72	CES78 = 54
CES04 = 70	CES29 = 50	CES54 = 79	CES79 = 81
CES05 = 48	CES30 = 55	CES55 = 78	CES80 = 79
CES06 = 51	CES31 = 56	CES56 = 67	CES81 = 74
CES07 = 40	CES32 = 54	CES57 = 65	CES82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