

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: P1065118

Luminaire Tested: **GLAN-SA6B-740-U-LBC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1065118
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA6B-740-U-LBC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 800mA 6xLight Square PACKAGE
70CRI 4000K FIXTURE w/ LEFT CORNER BACKLIGHT CONTROL
Light Source: (84) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24337.8 lumens
Efficiency: N/A
Efficacy: 113.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G4

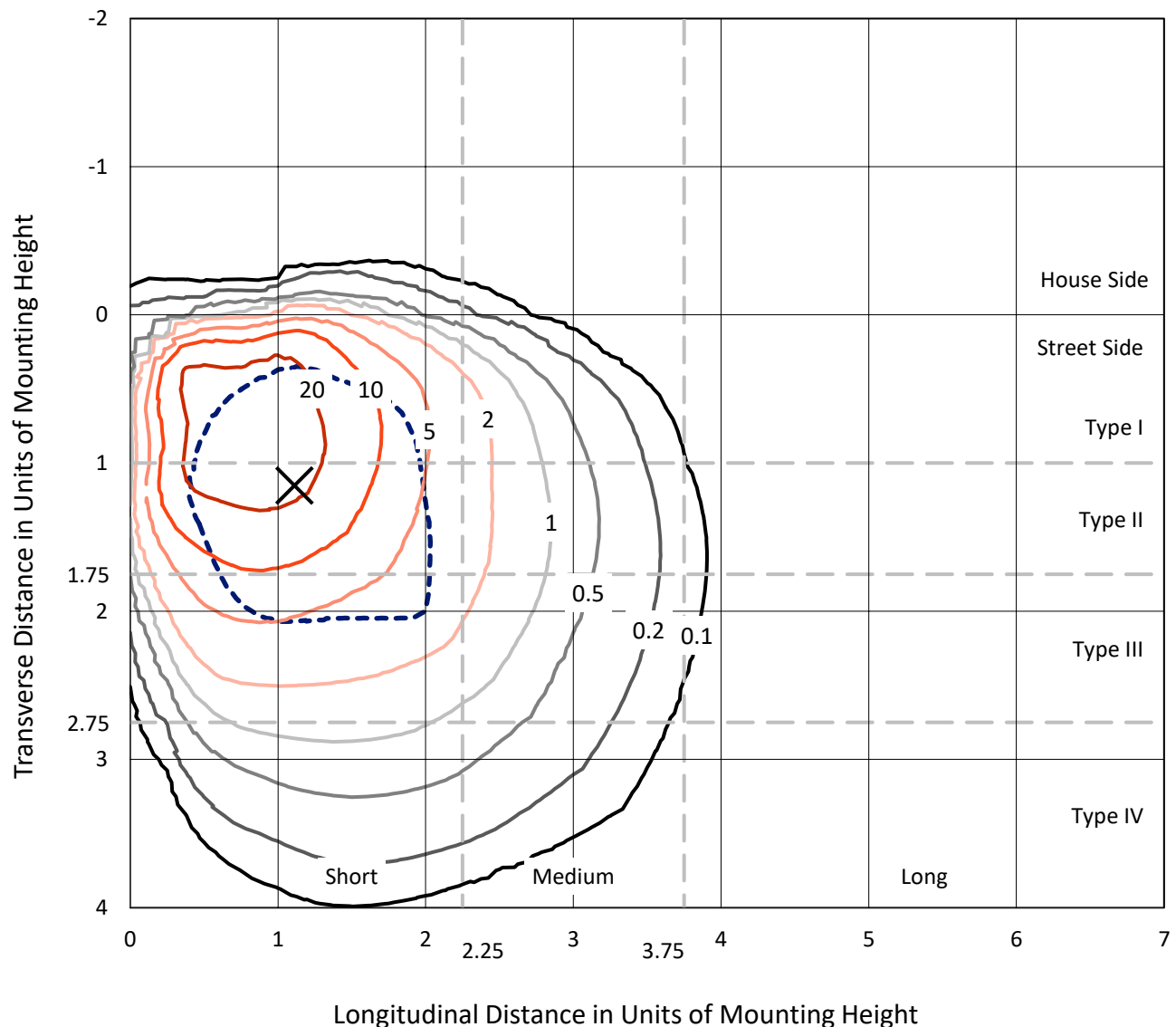
Input Watts (W): 213.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

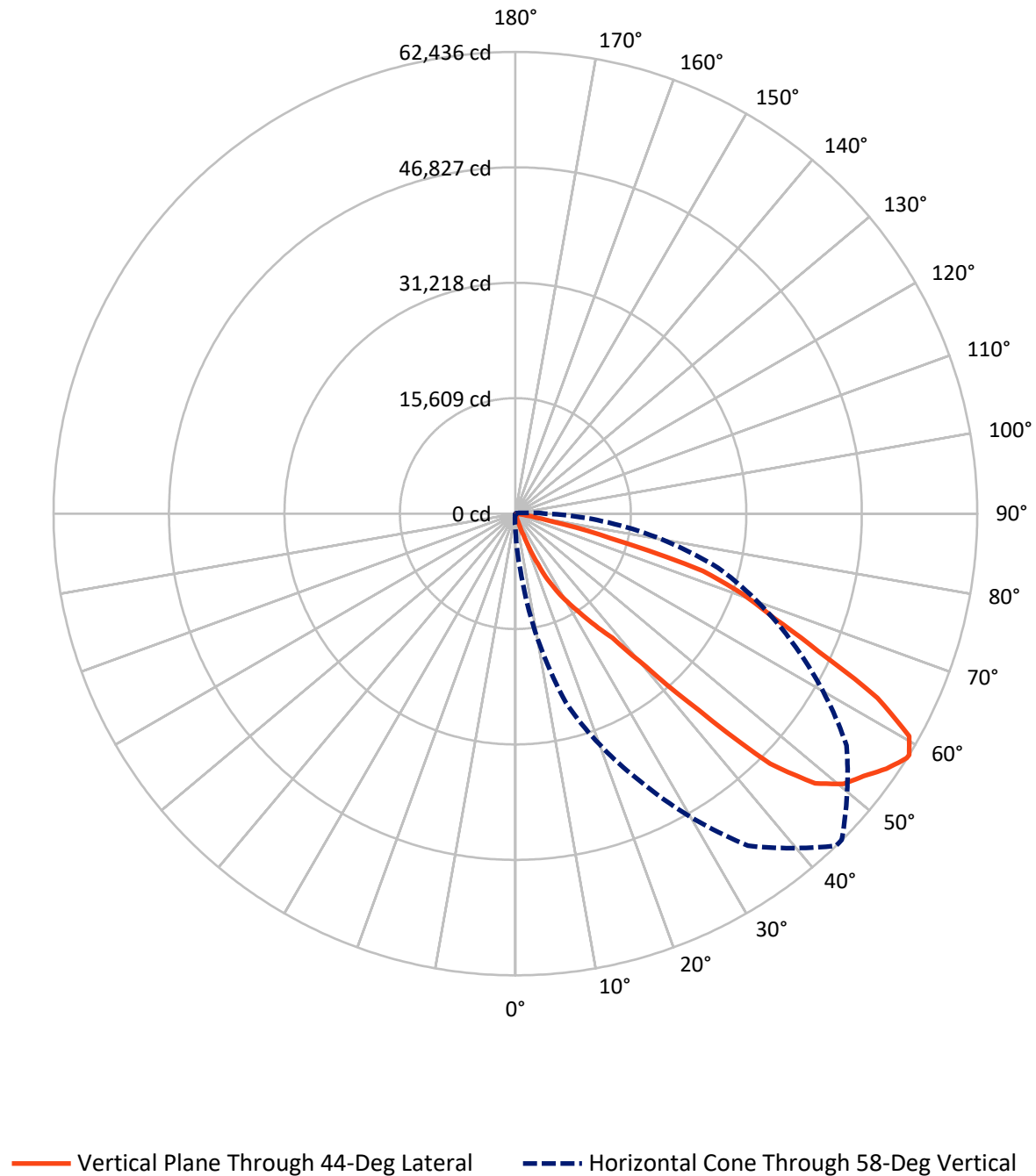
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 42.4 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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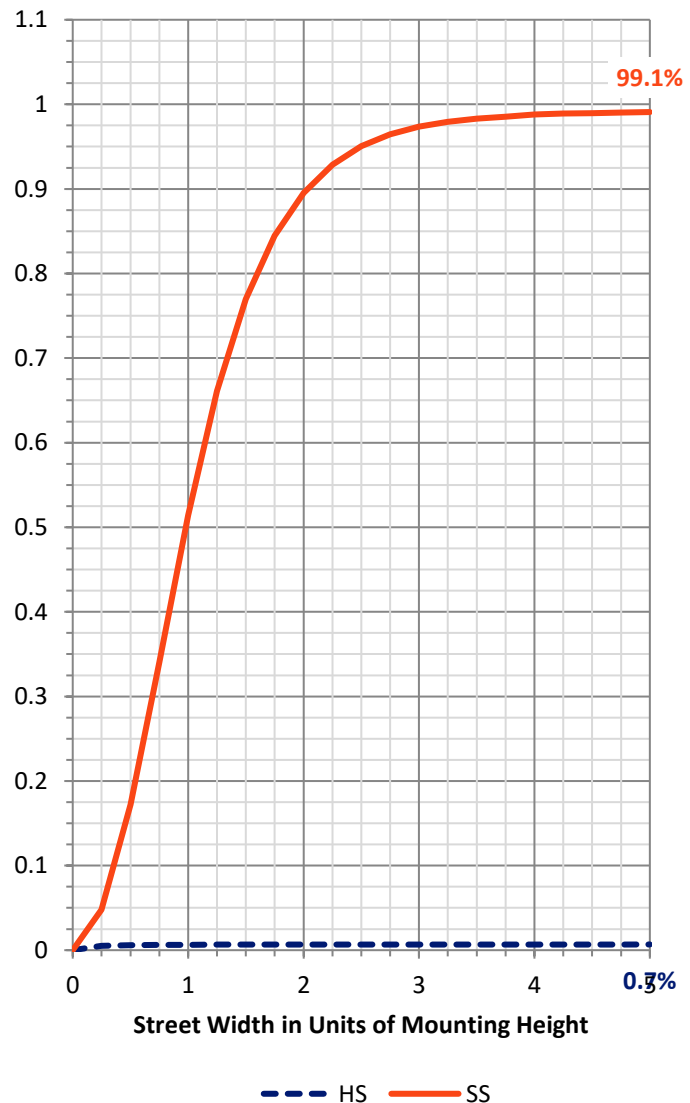
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	166.2	0.0	166.2
	% Fixture	0.7	0.0	0.7
Street Side	Lumens	24171.6	0.0	24171.6
	% Fixture	99.3	0.0	99.3
Total	Lumens	24337.8	0.0	24337.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.5	0.0
10°-20°	53.4	0.2
20°-30°	576.6	2.4
30°-40°	1705.1	7.0
40°-50°	5082.1	20.9
50°-60°	8064.1	33.1
60°-70°	6726.4	27.6
70°-80°	2074.5	8.5
80°-90°	46.1	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°	24337.8	100.0
0°-180°	24337.8	100.0

Coefficient of Utilization



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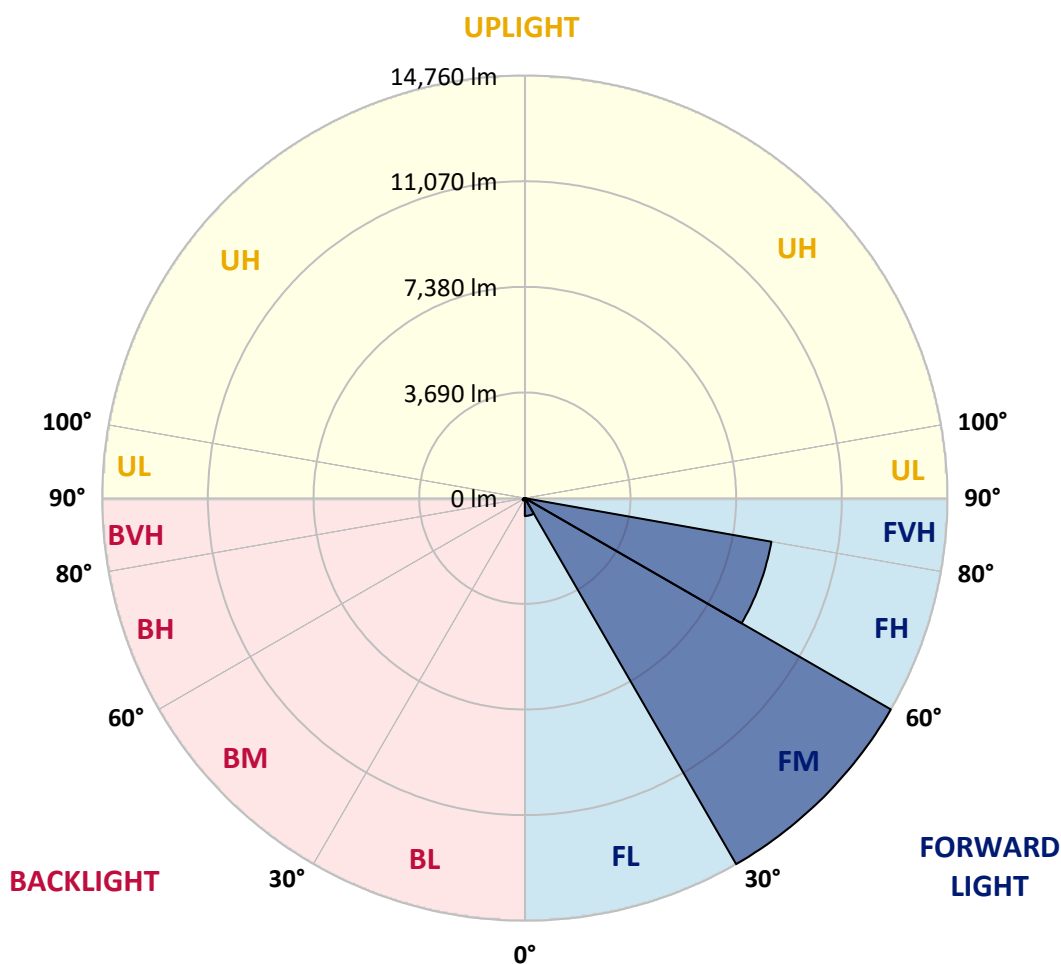
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	623.2	2.6			
FM	(30°-60°)	14760.4	60.6			
FH	(60°-80°)	8744.2	35.9			G4/12000
FVH	(80°-90°)	43.8	0.2			G1/100
BL	(0°-30°)	16.3	0.1	B0/110		
BM	(30°-60°)	91.0	0.4	B0/220		
BH	(60°-80°)	56.7	0.2	B0/110		G0/110
BVH	(80°-90°)	2.2	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-G4

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°
0°	106.6	106.6	106.6	106.6	106.6	106.6	106.6	106.6	106.6	106.6
2.5°	137.9	137.9	132.4	125.0	117.7	110.3	108.5	104.8	103.0	101.1
5°	143.4	143.4	141.6	136.1	128.7	123.2	123.2	117.7	114.0	110.3
7.5°	147.1	148.9	152.6	150.8	147.1	141.6	141.6	137.9	132.4	123.2
10°	152.6	158.1	165.5	169.1	171.0	171.0	169.1	167.3	158.1	145.2
12.5°	158.1	169.1	187.5	205.9	216.9	231.7	229.8	226.1	202.2	174.7
15°	169.1	185.7	224.3	277.6	360.3	411.8	432.1	413.7	334.6	235.3
17.5°	182.0	209.6	325.4	581.0	952.4	1128.8	1235.5	1149.1	761.1	446.8
20°	194.9	255.6	604.9	1505.7	2471.0	3048.3	3208.2	2958.2	1899.2	851.2
22.5°	216.9	358.5	1226.3	3112.6	5324.3	6190.3	6353.9	5554.2	3586.9	1680.4
25°	262.9	520.3	2114.3	5072.5	7946.1	9407.7	9339.7	8291.7	5818.9	2684.2
27.5°	329.1	757.5	3197.2	7207.0	10457.5	11746.3	11900.7	10604.5	7756.7	3947.3
30°	424.7	1049.8	4359.1	8916.8	12470.6	13864.2	13890.0	12549.7	9490.4	5055.9
32.5°	516.6	1325.6	5375.8	10569.6	14454.4	15982.2	16096.2	14447.0	10784.7	6210.5
35°	586.5	1505.7	6405.4	12022.0	16454.7	18559.8	18552.4	16594.4	12318.0	7241.9
37.5°	592.0	1685.9	7337.5	13507.6	18988.2	21345.1	21578.6	19420.2	14171.3	8517.8
40°	579.1	1888.2	8517.8	15824.1	23553.2	27169.6	27375.5	24654.5	17888.7	10702.0
42.5°	593.8	2239.3	10433.6	20102.3	31133.4	36327.2	36724.3	33863.6	24722.5	15158.5
45°	671.1	2899.3	14447.0	27259.6	41938.3	48270.2	48137.8	44017.7	32674.1	21942.7
47.5°	926.6	4515.4	20396.5	34225.8	48843.8	54482.5	54596.5	49560.8	37314.5	27158.5
50°	1424.8	6909.1	25395.4	37908.3	51813.0	57470.1	57363.5	51544.6	39077.6	29726.9
52.5°	1853.2	8641.0	27903.1	39200.8	52193.6	58946.4	58939.1	52066.7	39351.6	29947.6
55°	1959.9	8771.6	27923.4	39270.7	53046.6	60878.7	61121.4	53351.8	39706.4	28984.2
57.5°	1917.6	7765.9	26757.7	39675.1	54565.3	62373.4	62386.3	54596.5	40607.3	28394.0
58°	1880.8	7607.8	26522.4	39904.9	54826.3	62435.9	62404.7	54653.5	41340.8	28371.9
60°	1674.9	6605.8	25605.0	40491.4	54438.4	61152.7	60860.3	53408.8	41232.4	28145.8
62.5°	1316.4	5153.4	24702.3	39813.0	50279.7	54940.3	55061.7	47284.7	37588.4	26827.6
65°	1048.0	3840.7	22819.6	34922.6	41403.3	45117.1	45569.4	38450.7	31374.2	22716.7
67.5°	834.7	2776.2	19142.6	27803.8	32762.3	37654.6	37983.7	32282.5	24307.0	17405.2
70°	678.4	1877.1	13213.4	20334.0	27022.5	32523.3	32543.5	26818.4	18142.5	11404.3
72.5°	601.2	1299.8	7670.3	14829.5	21911.4	26502.2	25967.2	21762.5	13943.3	6754.7
75°	520.3	862.3	3761.6	9065.7	13285.1	13375.2	13579.3	10095.3	6969.8	3211.9
77.5°	428.4	612.2	1481.8	2476.5	3984.1	5100.0	5289.4	4008.0	2318.4	790.6
80°	294.2	290.5	399.0	759.3	1139.9	1428.5	1332.9	1031.4	606.7	303.4
82.5°	126.9	137.9	180.2	216.9	176.5	171.0	163.6	104.8	80.9	62.5
85°	40.4	36.8	38.6	38.6	31.3	23.9	23.9	11.0	0.0	0.0
87.5°	20.2	16.5	16.5	14.7	9.2	3.7	1.8	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



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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
106.6	0°	106.6	106.6	106.6	106.6	106.6	106.6	106.6	106.6	106.6	106.6
99.3	2.5°	97.4	97.4	93.8	90.1	88.2	84.6	82.7	80.9	79.1	77.2
106.6	5°	103.0	101.1	95.6	90.1	84.6	79.1	75.4	71.7	68.0	66.2
117.7	7.5°	112.1	108.5	97.4	88.2	80.9	73.5	69.9	64.3	60.7	55.2
130.5	10°	123.2	115.8	101.1	90.1	79.1	69.9	64.3	58.8	53.3	46.0
148.9	12.5°	137.9	125.0	106.6	88.2	75.4	64.3	58.8	51.5	46.0	40.4
172.8	15°	150.8	134.2	108.5	88.2	71.7	58.8	51.5	44.1	38.6	31.3
216.9	17.5°	169.1	141.6	106.6	82.7	66.2	51.5	44.1	38.6	29.4	18.4
321.7	20°	200.4	147.1	103.0	77.2	57.0	42.3	33.1	25.7	12.9	3.7
483.5	22.5°	250.0	161.8	99.3	69.9	49.6	33.1	22.1	9.2	0.0	0.0
735.4	25°	345.6	187.5	99.3	66.2	44.1	23.9	7.4	0.0	0.0	0.0
1044.3	27.5°	459.6	222.5	99.3	57.0	34.9	12.9	0.0	0.0	0.0	0.0
1423.0	30°	575.5	261.1	99.3	49.6	27.6	1.8	0.0	0.0	0.0	0.0
1752.1	32.5°	685.8	294.2	101.1	42.3	18.4	0.0	0.0	0.0	0.0	0.0
2208.1	35°	797.9	299.7	99.3	36.8	11.0	0.0	0.0	0.0	0.0	0.0
2767.0	37.5°	941.3	288.6	93.8	33.1	5.5	0.0	0.0	0.0	0.0	0.0
3640.3	40°	1158.3	294.2	88.2	31.3	1.8	0.0	0.0	0.0	0.0	0.0
5197.5	42.5°	1559.1	318.1	80.9	31.3	0.0	0.0	0.0	0.0	0.0	0.0
8278.8	45°	2695.3	426.5	73.5	33.1	0.0	0.0	0.0	0.0	0.0	0.0
12428.4	47.5°	4458.4	766.7	71.7	33.1	0.0	0.0	0.0	0.0	0.0	0.0
14971.0	50°	5690.2	965.2	75.4	34.9	0.0	0.0	0.0	0.0	0.0	0.0
15289.1	52.5°	5681.0	1075.5	79.1	36.8	7.4	0.0	0.0	0.0	0.0	0.0
14092.2	55°	5050.4	1095.8	84.6	40.4	23.9	0.0	0.0	0.0	0.0	0.0
12110.3	57.5°	4221.2	1000.2	97.4	49.6	44.1	0.0	0.0	0.0	0.0	0.0
11799.6	58°	4074.1	956.0	101.1	51.5	47.8	0.0	0.0	0.0	0.0	0.0
10235.0	60°	3338.7	779.5	128.7	64.3	64.3	0.0	0.0	0.0	0.0	0.0
8391.0	62.5°	2305.5	680.3	147.1	82.7	66.2	0.0	0.0	0.0	0.0	0.0
6186.6	65°	1630.8	614.1	160.0	88.2	53.3	0.0	0.0	0.0	0.0	0.0
4395.9	67.5°	1218.9	566.3	176.5	90.1	27.6	0.0	0.0	0.0	0.0	0.0
2757.8	70°	934.0	531.3	216.9	95.6	7.4	0.0	0.0	0.0	0.0	0.0
1643.6	72.5°	761.1	490.9	262.9	99.3	0.0	0.0	0.0	0.0	0.0	0.0
985.4	75°	630.6	443.1	253.7	108.5	0.0	0.0	0.0	0.0	0.0	0.0
525.8	77.5°	419.2	343.8	231.7	108.5	0.0	0.0	0.0	0.0	0.0	0.0
187.5	80°	147.1	136.1	180.2	95.6	0.0	0.0	0.0	0.0	0.0	0.0
38.6	82.5°	22.1	18.4	25.7	33.1	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

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CANDELA DISTRIBUTION (continued):

180°		185°	195°	205°	215°	225°	235°	245°	255°	265°	270°
106.6	0°	106.6	106.6	106.6	106.6	106.6	106.6	106.6	106.6	106.6	106.6
75.4	2.5°	75.4	75.4	73.5	75.4	75.4	79.1	88.2	101.1	115.8	121.3
64.3	5°	62.5	60.7	58.8	58.8	58.8	64.3	71.7	86.4	103.0	110.3
53.3	7.5°	51.5	49.6	47.8	46.0	46.0	49.6	58.8	75.4	91.9	99.3
44.1	10°	42.3	38.6	36.8	34.9	34.9	38.6	47.8	64.3	82.7	90.1
36.8	12.5°	34.9	29.4	25.7	23.9	22.1	27.6	36.8	51.5	71.7	80.9
27.6	15°	23.9	18.4	12.9	11.0	9.2	14.7	23.9	40.4	60.7	71.7
14.7	17.5°	12.9	5.5	1.8	0.0	0.0	3.7	11.0	29.4	49.6	58.8
0.0	20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.7	36.8	46.0
0.0	22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	22.1	31.3
0.0	25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.2	16.5
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7
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	5.5
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.4	14.7
0.0	90°	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):

275°		285°	295°	305°	315°	316°	325°	335°	345°	355°	360°
106.6	0°	106.6	106.6	106.6	106.6	106.6	106.6	106.6	106.6	106.6	106.6
126.9	2.5°	130.5	128.7	125.0	121.3	121.3	121.3	126.9	132.4	137.9	137.9
114.0	5°	121.3	121.3	119.5	115.8	115.8	117.7	125.0	134.2	141.6	143.4
104.8	7.5°	112.1	115.8	112.1	110.3	112.1	114.0	121.3	132.4	143.4	147.1
97.4	10°	106.6	108.5	108.5	106.6	106.6	110.3	117.7	132.4	147.1	152.6
88.2	12.5°	99.3	103.0	101.1	101.1	101.1	104.8	114.0	130.5	150.8	158.1
79.1	15°	91.9	97.4	97.4	95.6	95.6	97.4	110.3	128.7	156.3	169.1
68.0	17.5°	84.6	90.1	91.9	88.2	88.2	91.9	104.8	128.7	160.0	182.0
55.2	20°	69.9	79.1	84.6	79.1	79.1	82.7	95.6	121.3	161.8	194.9
40.4	22.5°	55.2	64.3	71.7	69.9	69.9	71.7	88.2	115.8	163.6	216.9
23.9	25°	40.4	49.6	55.2	58.8	58.8	64.3	80.9	112.1	171.0	262.9
11.0	27.5°	23.9	34.9	42.3	46.0	47.8	55.2	75.4	108.5	183.9	329.1
0.0	30°	11.0	20.2	29.4	36.8	36.8	49.6	69.9	104.8	200.4	424.7
0.0	32.5°	0.0	9.2	14.7	25.7	27.6	40.4	64.3	101.1	224.3	516.6
0.0	35°	0.0	0.0	7.4	20.2	20.2	33.1	58.8	97.4	261.1	586.5
0.0	37.5°	0.0	0.0	0.0	14.7	16.5	29.4	57.0	95.6	268.4	592.0
0.0	40°	0.0	0.0	0.0	11.0	12.9	27.6	57.0	97.4	242.7	579.1
0.0	42.5°	0.0	0.0	0.0	7.4	9.2	27.6	57.0	101.1	218.8	593.8
0.0	45°	0.0	0.0	0.0	5.5	7.4	29.4	55.2	99.3	205.9	671.1
0.0	47.5°	0.0	0.0	0.0	7.4	11.0	29.4	53.3	97.4	207.8	926.6
0.0	50°	0.0	0.0	0.0	9.2	12.9	29.4	55.2	93.8	228.0	1424.8
0.0	52.5°	0.0	0.0	0.0	7.4	11.0	33.1	60.7	91.9	248.2	1853.2
0.0	55°	0.0	0.0	0.0	1.8	5.5	42.3	66.2	91.9	279.5	1959.9
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	47.8	75.4	97.4	330.9	1917.6
0.0	58°	0.0	0.0	0.0	0.0	0.0	47.8	77.2	97.4	334.6	1880.8
0.0	60°	0.0	0.0	0.0	0.0	0.0	47.8	84.6	108.5	360.3	1674.9
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	40.4	101.1	136.1	375.1	1316.4
0.0	65°	0.0	0.0	0.0	0.0	0.0	33.1	119.5	148.9	386.1	1048.0
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	31.3	123.2	150.8	391.6	834.7
0.0	70°	0.0	0.0	0.0	0.0	0.0	33.1	121.3	161.8	410.0	678.4
0.0	72.5°	0.0	0.0	0.0	0.0	0.0	36.8	110.3	178.3	410.0	601.2
0.0	75°	0.0	0.0	0.0	0.0	0.0	38.6	103.0	200.4	373.2	520.3
0.0	77.5°	0.0	0.0	0.0	0.0	0.0	36.8	101.1	233.5	332.8	428.4
0.0	80°	3.7	5.5	5.5	3.7	3.7	31.3	99.3	237.2	283.1	294.2
1.8	82.5°	11.0	14.7	12.9	9.2	9.2	27.6	88.2	198.6	147.1	126.9
11.0	85°	20.2	23.9	23.9	20.2	20.2	25.7	55.2	71.7	49.6	40.4
20.2	87.5°	27.6	31.3	31.3	27.6	27.6	25.7	23.9	22.1	20.2	20.2
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF RI



LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

McGraw-Edison

Report Number: SP1-2407-184-1

Test Date: 10/09/2024

Luminaire Tested: GSS-SB1A-740-U-5WQ

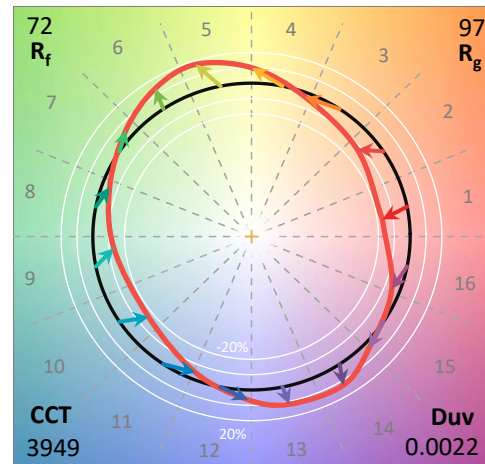
Data in this report applies to families of products including GSS-SB1A-740-U-5WQ

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-1
 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-740-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI
 4000K CCT 26 LEDS

Spectral Parameters

CCT (K):	3949	CRI (Ra):	70.7		
CIE u':	0.2248	R1:	68.0	R9:	-36.7
CIE v':	0.5053	R2:	76.0	R10:	45.1
Duv:	0.0022	R3:	84.3	R11:	70.7
CIE x:	0.3844	R4:	72.0	R12:	47.1
CIE y:	0.3840	R5:	68.6	R13:	68.5
CIE z:	0.2316	R6:	68.3	R14:	91.1
Peak Wavelength (nm):	440	R7:	77.9	R15:	58.7
Dominant Wavelength (nm):	578	R8:	50.3		
Purity:	30.60026				
Rf:	71.8				
Rg:	96.5				



Test Conditions

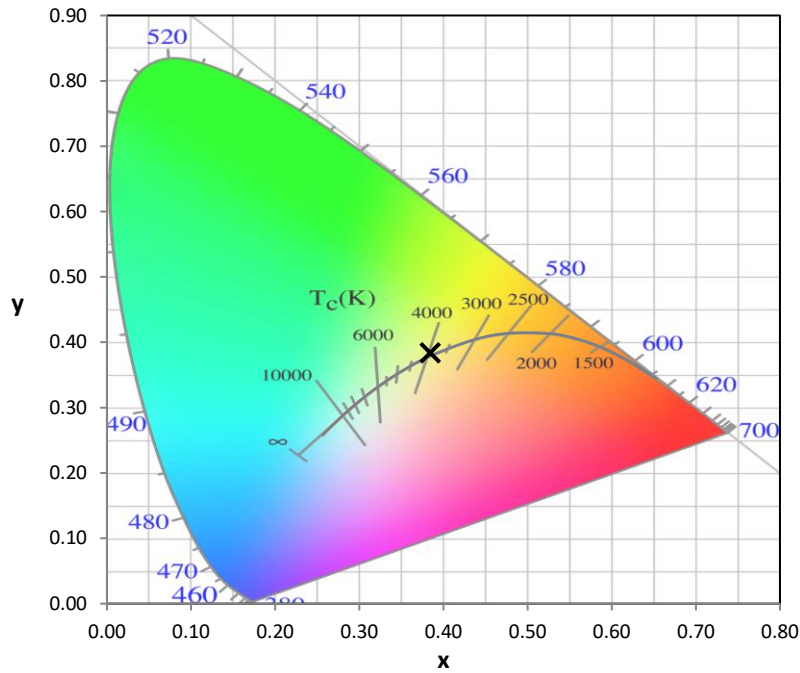
Stabilization Time: 34M
 Operation Time: 1H 34M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-1

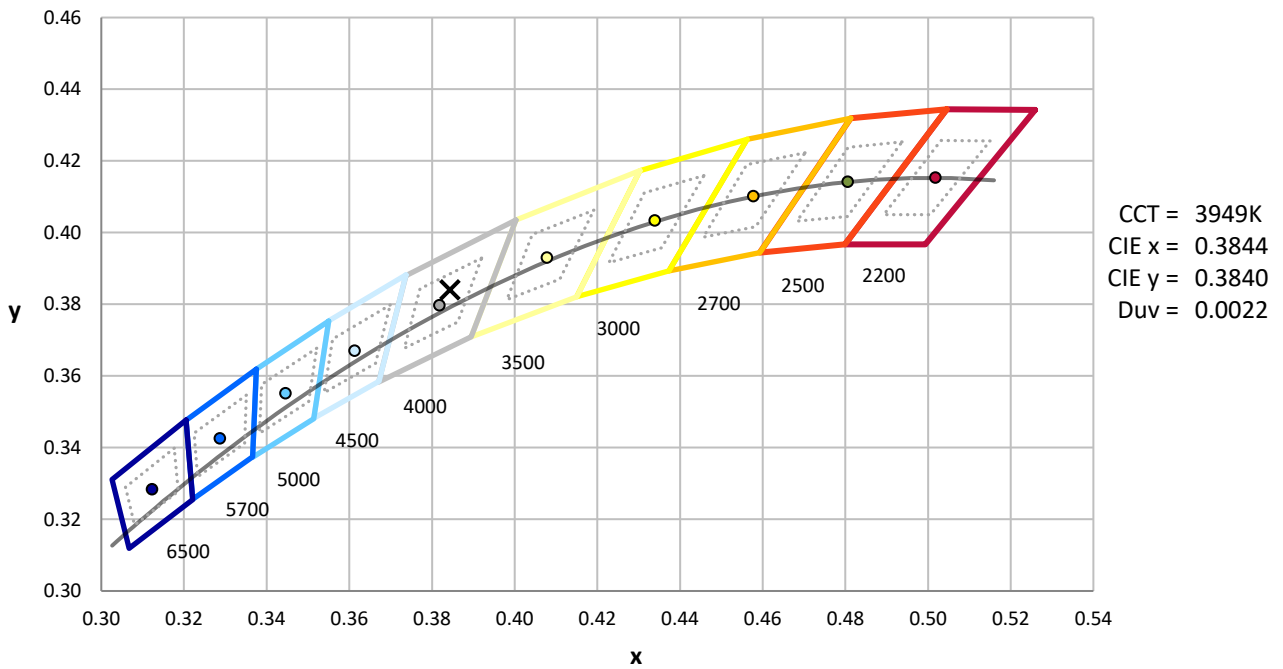
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-1

CIE 1931 Chromaticity Diagram

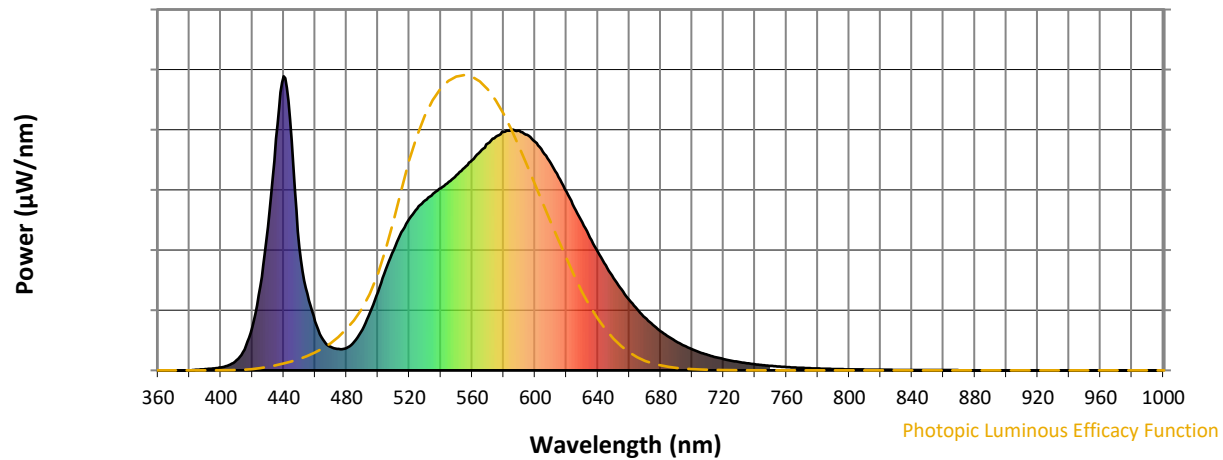


CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 4000K 4-step quadrangle

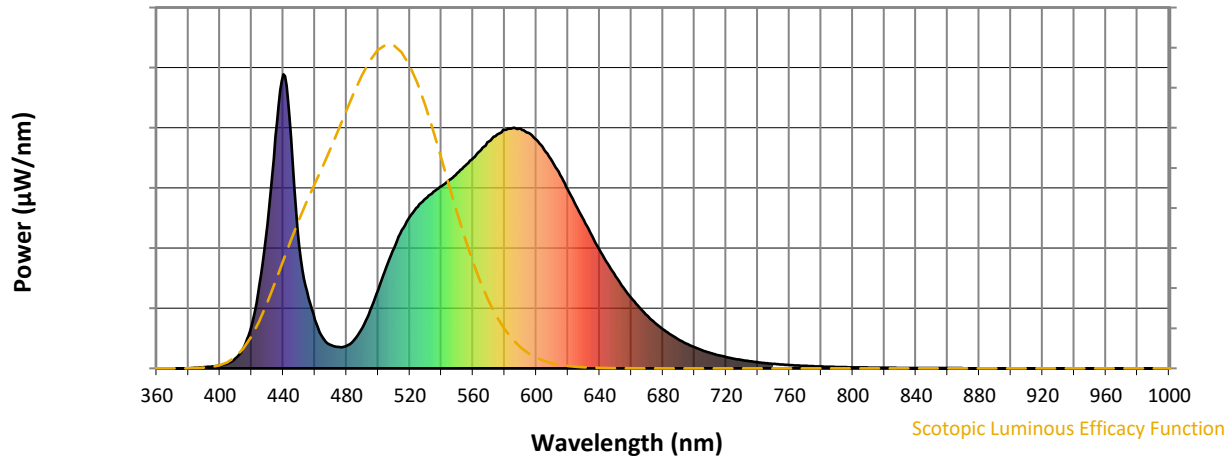
REPORT NUMBER: SP1-2407-184-1

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	139	NR	620	607	NR	750	15	NR	880	0	NR
365	0	NR	495	198	NR	625	554	NR	755	13	NR	885	0	NR
370	0	NR	500	267	NR	630	504	NR	760	11	NR	890	0	NR
375	0	NR	505	343	NR	635	452	NR	765	10	NR	895	0	NR
380	0	NR	510	410	NR	640	403	NR	770	8	NR	900	0	NR
385	2	NR	515	470	NR	645	357	NR	775	7	NR	905	0	NR
390	4	NR	520	516	NR	650	314	NR	780	6	NR	910	0	NR
395	7	NR	525	550	NR	655	275	NR	785	5	NR	915	0	NR
400	10	NR	530	578	NR	660	240	NR	790	5	NR	920	0	NR
405	17	NR	535	601	NR	665	208	NR	795	4	NR	925	0	NR
410	35	NR	540	620	NR	670	179	NR	800	4	NR	930	0	NR
415	70	NR	545	641	NR	675	155	NR	805	3	NR	935	0	NR
420	147	NR	550	664	NR	680	133	NR	810	3	NR	940	0	NR
425	285	NR	555	689	NR	685	114	NR	815	2	NR	945	0	NR
430	487	NR	560	715	NR	690	98	NR	820	2	NR	950	0	NR
435	787	NR	565	743	NR	695	84	NR	825	2	NR	955	0	NR
440	1000	NR	570	771	NR	700	72	NR	830	2	NR	960	0	NR
445	783	NR	575	794	NR	705	61	NR	835	1	NR	965	0	NR
450	417	NR	580	811	NR	710	52	NR	840	1	NR	970	0	NR
455	261	NR	585	817	NR	715	45	NR	845	1	NR	975	0	NR
460	167	NR	590	815	NR	720	39	NR	850	1	NR	980	0	NR
465	104	NR	595	801	NR	725	33	NR	855	1	NR	985	0	NR
470	79	NR	600	777	NR	730	28	NR	860	1	NR	990	0	NR
475	73	NR	605	744	NR	735	24	NR	865	1	NR	995	0	NR
480	76	NR	610	704	NR	740	21	NR	870	1	NR	1000	0	NR
485	98	NR	615	657	NR	745	18	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-1

Scotopic Flux vs. Wavelength



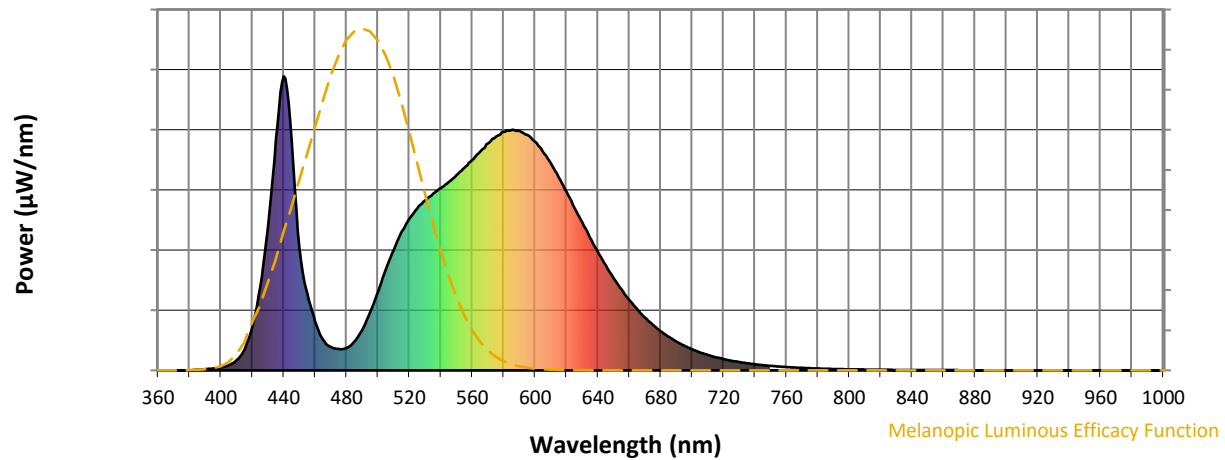
Scotopic Lumens: NR

S/P: 1.47

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	139	NR	620	607	NR	750	15	NR	880	0	NR
365	0	NR	495	198	NR	625	554	NR	755	13	NR	885	0	NR
370	0	NR	500	267	NR	630	504	NR	760	11	NR	890	0	NR
375	0	NR	505	343	NR	635	452	NR	765	10	NR	895	0	NR
380	0	NR	510	410	NR	640	403	NR	770	8	NR	900	0	NR
385	2	NR	515	470	NR	645	357	NR	775	7	NR	905	0	NR
390	4	NR	520	516	NR	650	314	NR	780	6	NR	910	0	NR
395	7	NR	525	550	NR	655	275	NR	785	5	NR	915	0	NR
400	10	NR	530	578	NR	660	240	NR	790	5	NR	920	0	NR
405	17	NR	535	601	NR	665	208	NR	795	4	NR	925	0	NR
410	35	NR	540	620	NR	670	179	NR	800	4	NR	930	0	NR
415	70	NR	545	641	NR	675	155	NR	805	3	NR	935	0	NR
420	147	NR	550	664	NR	680	133	NR	810	3	NR	940	0	NR
425	285	NR	555	689	NR	685	114	NR	815	2	NR	945	0	NR
430	487	NR	560	715	NR	690	98	NR	820	2	NR	950	0	NR
435	787	NR	565	743	NR	695	84	NR	825	2	NR	955	0	NR
440	1000	NR	570	771	NR	700	72	NR	830	2	NR	960	0	NR
445	783	NR	575	794	NR	705	61	NR	835	1	NR	965	0	NR
450	417	NR	580	811	NR	710	52	NR	840	1	NR	970	0	NR
455	261	NR	585	817	NR	715	45	NR	845	1	NR	975	0	NR
460	167	NR	590	815	NR	720	39	NR	850	1	NR	980	0	NR
465	104	NR	595	801	NR	725	33	NR	855	1	NR	985	0	NR
470	79	NR	600	777	NR	730	28	NR	860	1	NR	990	0	NR
475	73	NR	605	744	NR	735	24	NR	865	1	NR	995	0	NR
480	76	NR	610	704	NR	740	21	NR	870	1	NR	1000	0	NR
485	98	NR	615	657	NR	745	18	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-1

Melanopic Flux vs. Wavelength


Melanopic Lumens: NR
M/P: 2.78

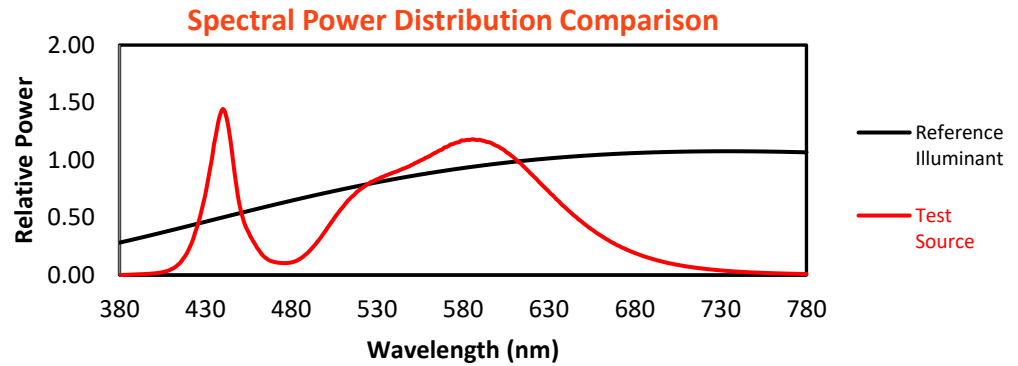
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	139	NR	620	607	NR	750	15	NR	880	0	NR
365	0	NR	495	198	NR	625	554	NR	755	13	NR	885	0	NR
370	0	NR	500	267	NR	630	504	NR	760	11	NR	890	0	NR
375	0	NR	505	343	NR	635	452	NR	765	10	NR	895	0	NR
380	0	NR	510	410	NR	640	403	NR	770	8	NR	900	0	NR
385	2	NR	515	470	NR	645	357	NR	775	7	NR	905	0	NR
390	4	NR	520	516	NR	650	314	NR	780	6	NR	910	0	NR
395	7	NR	525	550	NR	655	275	NR	785	5	NR	915	0	NR
400	10	NR	530	578	NR	660	240	NR	790	5	NR	920	0	NR
405	17	NR	535	601	NR	665	208	NR	795	4	NR	925	0	NR
410	35	NR	540	620	NR	670	179	NR	800	4	NR	930	0	NR
415	70	NR	545	641	NR	675	155	NR	805	3	NR	935	0	NR
420	147	NR	550	664	NR	680	133	NR	810	3	NR	940	0	NR
425	285	NR	555	689	NR	685	114	NR	815	2	NR	945	0	NR
430	487	NR	560	715	NR	690	98	NR	820	2	NR	950	0	NR
435	787	NR	565	743	NR	695	84	NR	825	2	NR	955	0	NR
440	1000	NR	570	771	NR	700	72	NR	830	2	NR	960	0	NR
445	783	NR	575	794	NR	705	61	NR	835	1	NR	965	0	NR
450	417	NR	580	811	NR	710	52	NR	840	1	NR	970	0	NR
455	261	NR	585	817	NR	715	45	NR	845	1	NR	975	0	NR
460	167	NR	590	815	NR	720	39	NR	850	1	NR	980	0	NR
465	104	NR	595	801	NR	725	33	NR	855	1	NR	985	0	NR
470	79	NR	600	777	NR	730	28	NR	860	1	NR	990	0	NR
475	73	NR	605	744	NR	735	24	NR	865	1	NR	995	0	NR
480	76	NR	610	704	NR	740	21	NR	870	1	NR	1000	0	NR
485	98	NR	615	657	NR	745	18	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-1

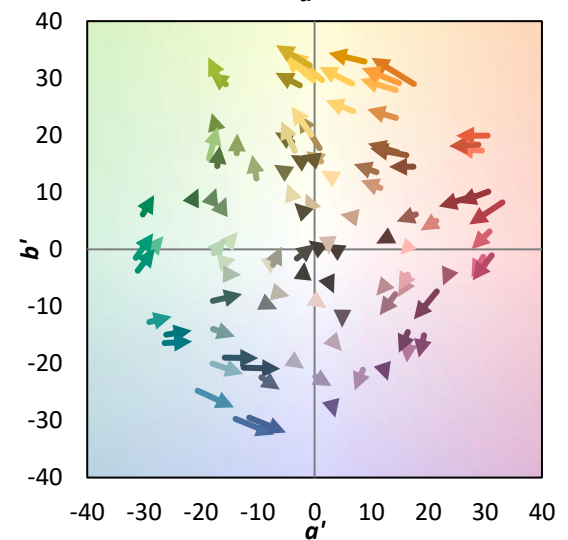
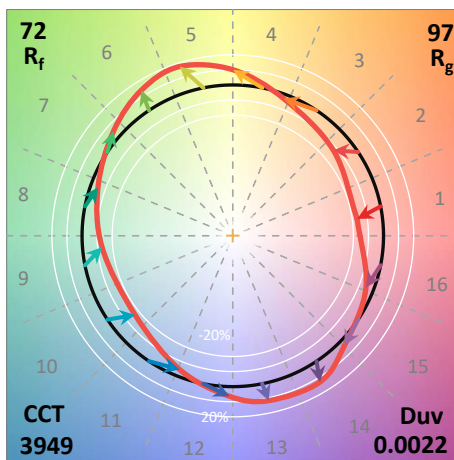
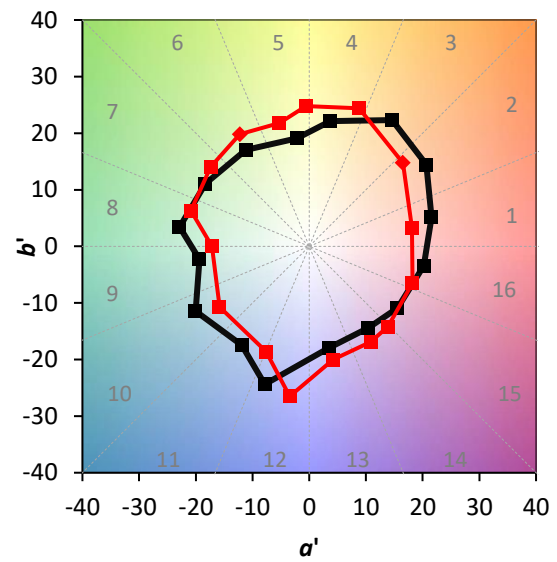
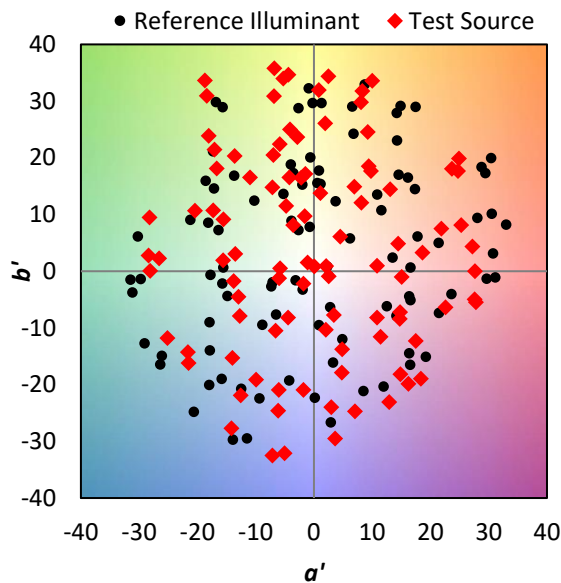
TM-30-18

Summary

$R_f = 71.8$
 $R_g = 96.5$
 CIE $R_a = 70.7$
 $R_g = -36.7$

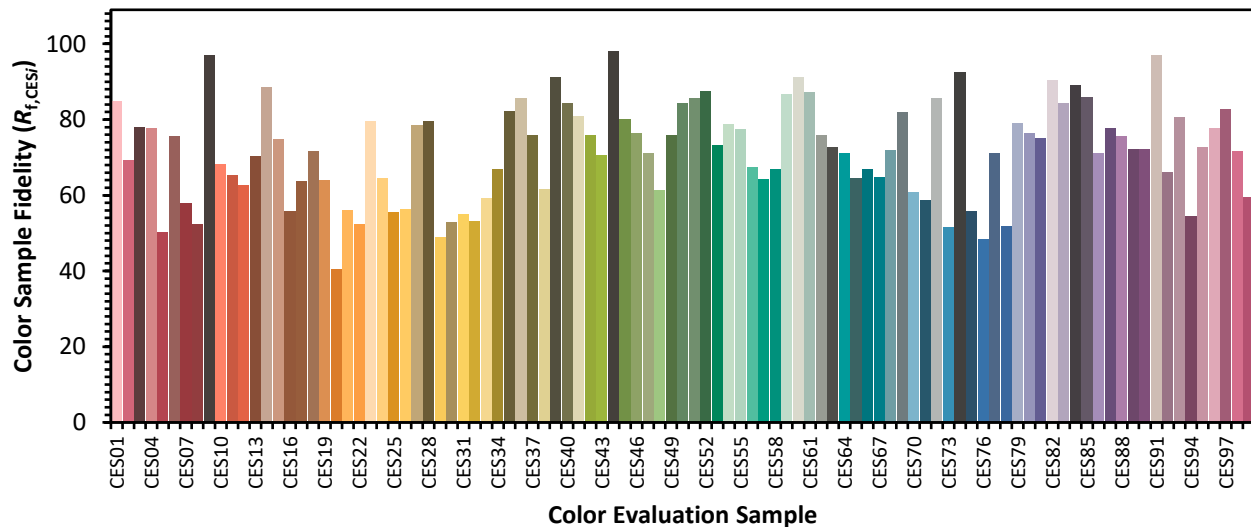


Color Vector Graphics

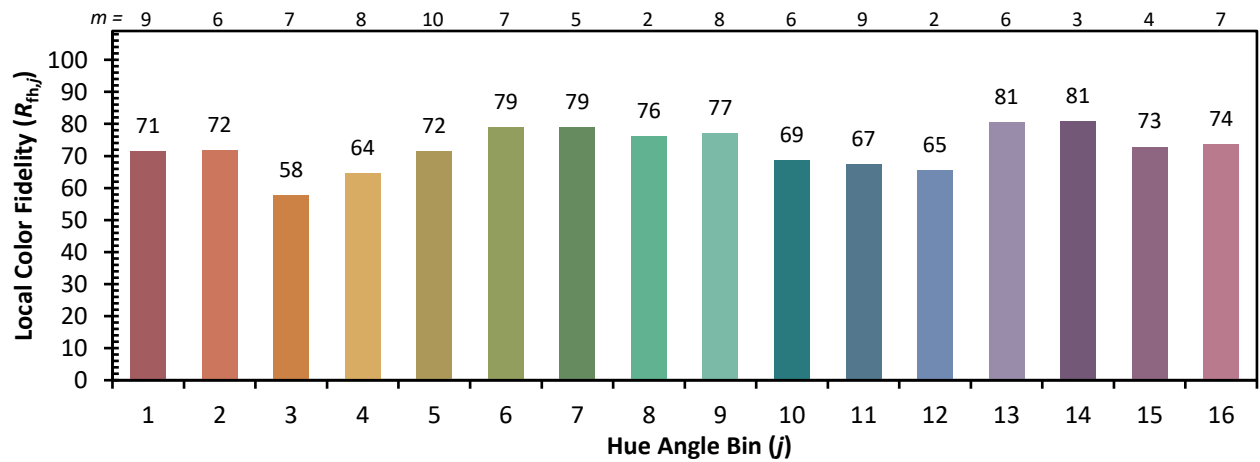
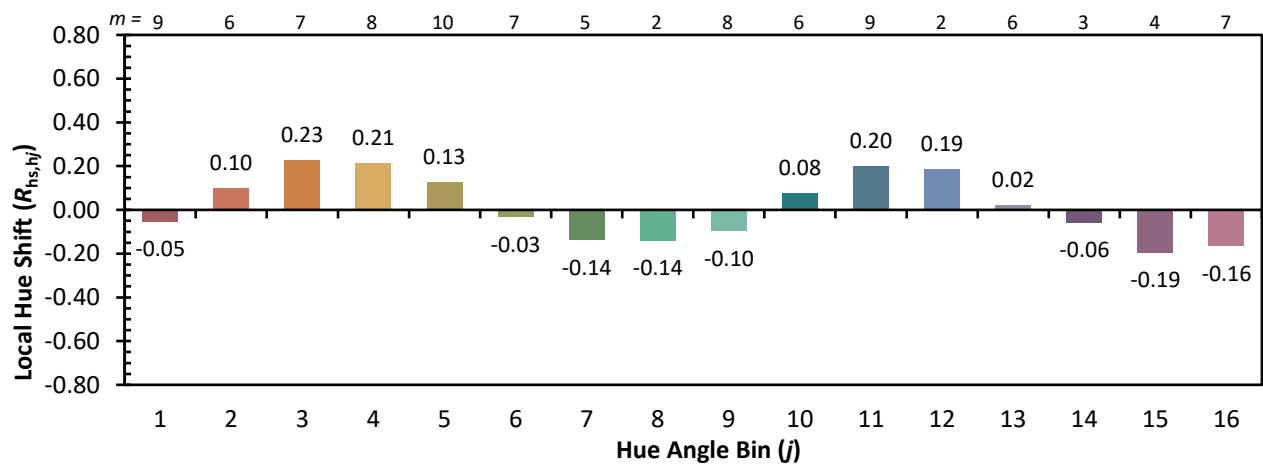
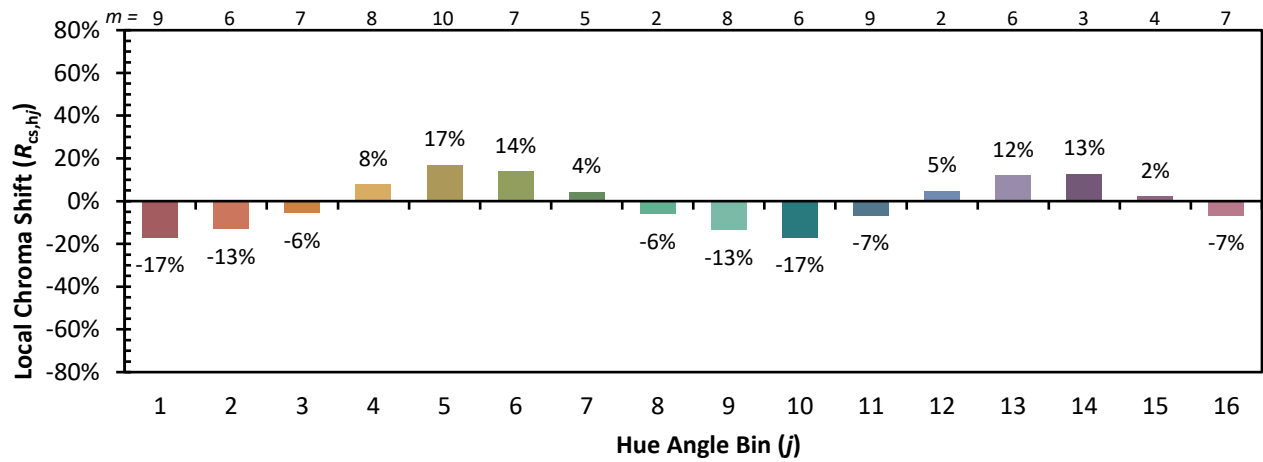


Individual Sample Fidelity Index ($R_{f,i}$)

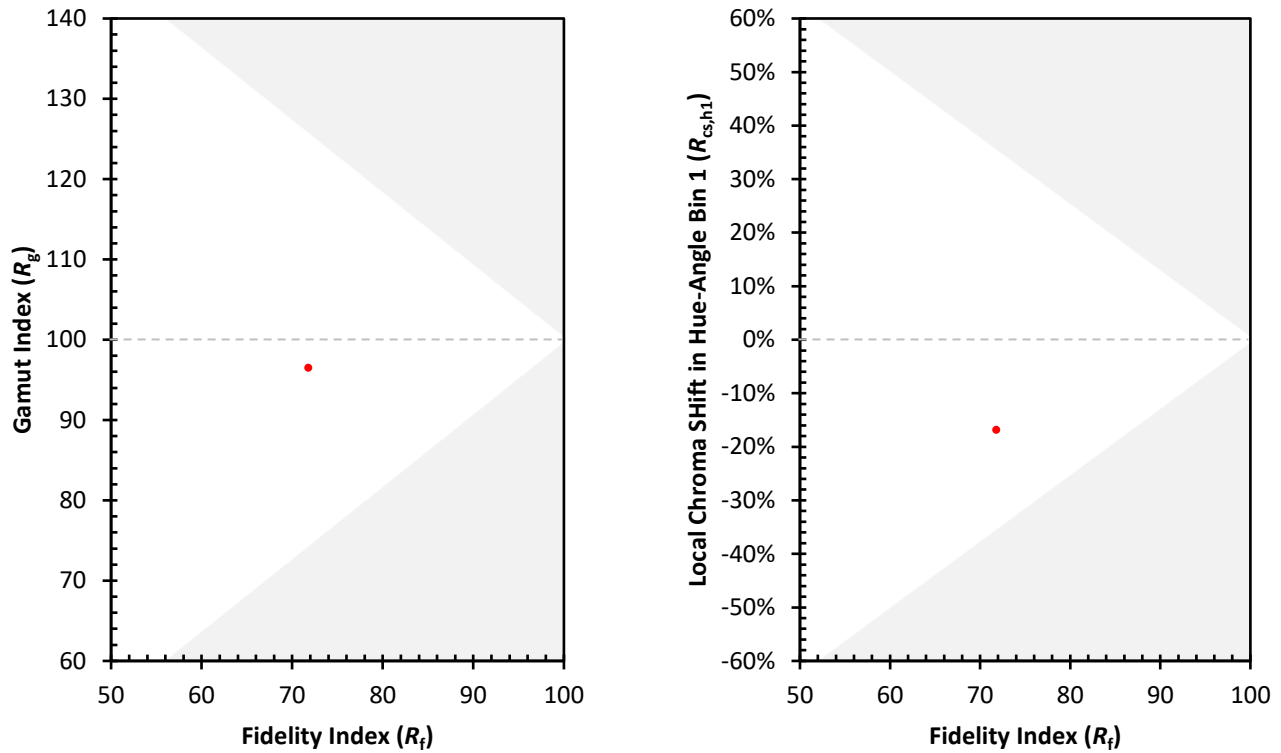
CES01 = 85	CES26 = 56	CES51 = 86	CES76 = 48
CES02 = 61	CES27 = 79	CES52 = 88	CES77 = 71
CES03 = 30	CES28 = 80	CES53 = 73	CES78 = 52
CES04 = 70	CES29 = 49	CES54 = 79	CES79 = 79
CES05 = 47	CES30 = 53	CES55 = 77	CES80 = 77
CES06 = 50	CES31 = 55	CES56 = 67	CES81 = 75
CES07 = 40	CES32 = 53	CES57 = 64	CES82 = 90
CES08 = 39	CES33 = 59	CES58 = 67	CES83 = 84
CES09 = 29	CES34 = 67	CES59 = 87	CES84 = 89
CES10 = 74	CES35 = 82	CES60 = 91	CES85 = 86
CES11 = 57	CES36 = 86	CES61 = 87	CES86 = 71
CES12 = 63	CES37 = 76	CES62 = 76	CES87 = 78
CES13 = 42	CES38 = 62	CES63 = 73	CES88 = 76
CES14 = 74	CES39 = 91	CES64 = 71	CES89 = 72
CES15 = 71	CES40 = 84	CES65 = 64	CES90 = 72
CES16 = 46	CES41 = 81	CES66 = 67	CES91 = 97
CES17 = 49	CES42 = 76	CES67 = 65	CES92 = 66
CES18 = 56	CES43 = 71	CES68 = 72	CES93 = 81
CES19 = 72	CES44 = 98	CES69 = 82	CES94 = 55
CES20 = 65	CES45 = 80	CES70 = 61	CES95 = 73
CES21 = 86	CES46 = 76	CES71 = 59	CES96 = 78
CES22 = 78	CES47 = 71	CES72 = 86	CES97 = 83
CES23 = 92	CES48 = 61	CES73 = 52	CES98 = 72
CES24 = 91	CES49 = 76	CES74 = 93	CES99 = 60
CES25 = 72	CES50 = 84	CES75 = 56	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)