

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: P1065571

Luminaire Tested: **GLAN-SA2C-930-U-LBC**

Issue Date: 08/07/2025



Test Information

Test Method: LM-79-08
Report Number: P1065571
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA2C-930-U-LBC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 1050mA 2xLight Square PACKAGE
90CRI 3000K FIXTURE w/ LEFT CORNER BACKLIGHT CONTROL
Light Source: (28) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7156 lumens
Efficiency: N/A
Efficacy: 74.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G2

Input Watts (W): 96.2
Input Voltage (V): 120
Input Current (A_{in}): 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

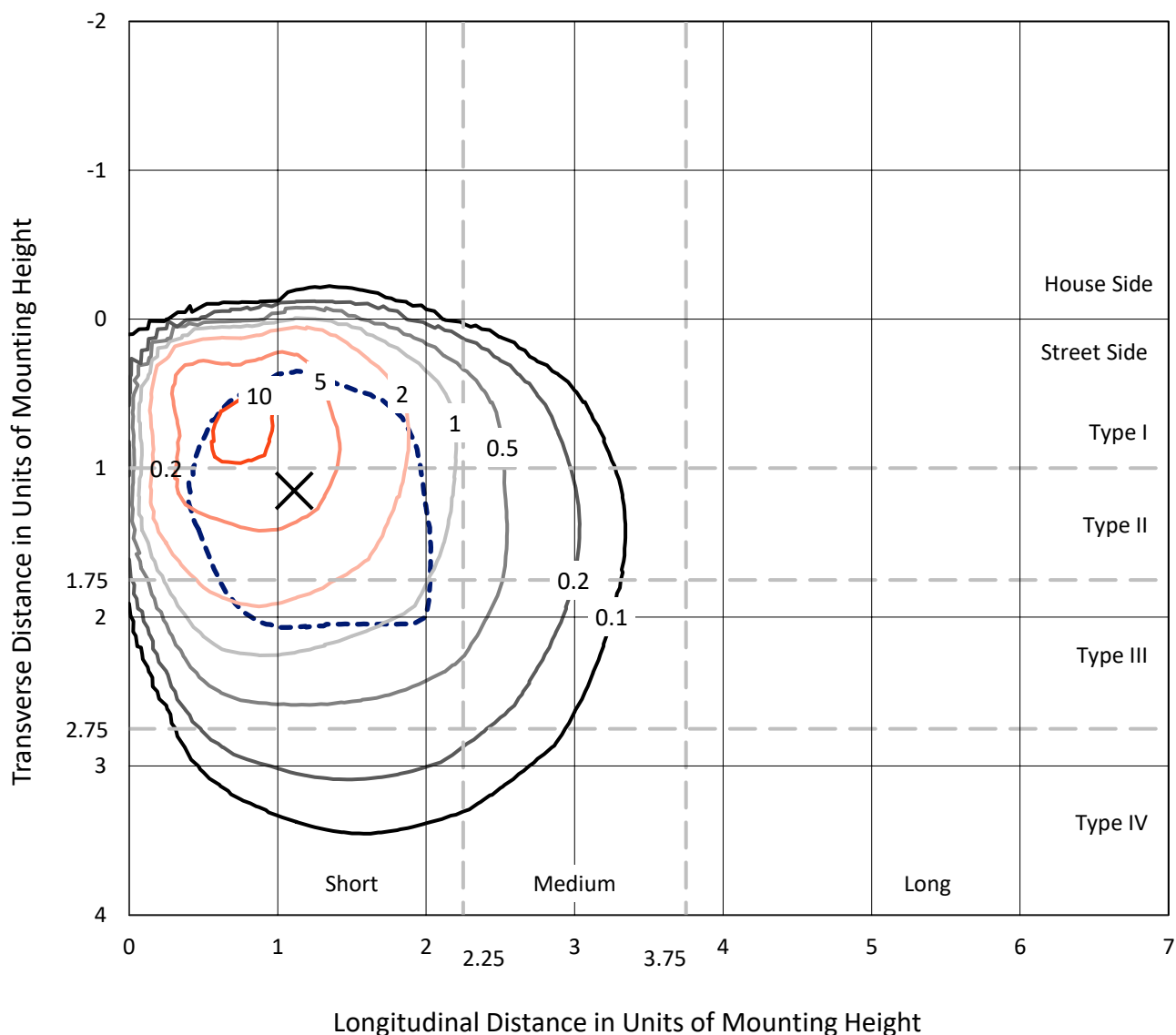
REPORT NUMBER: P1065571

CATALOG NUMBER: GLAN-SA2C-930-U-LBC

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

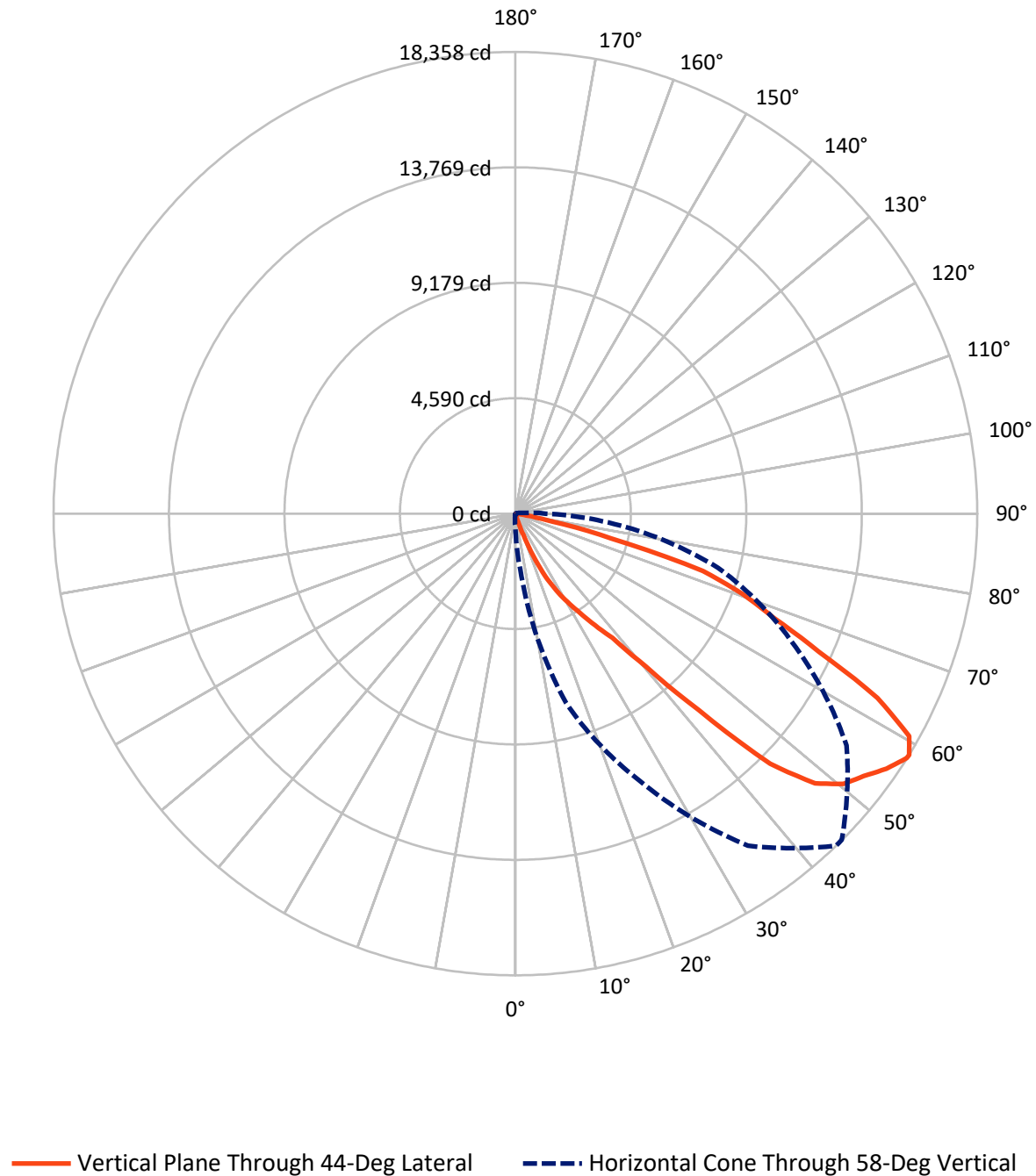


Based on 20 foot mounting height. Maximum calculated value = 12.5 fc

Type III - Short - N/A

REPORT NUMBER: P1065571
CATALOG NUMBER: GLAN-SA2C-930-U-LBC

Luminous Intensity Polar Plot



REPORT NUMBER: P1065571

CATALOG NUMBER: GLAN-SA2C-930-U-LBC

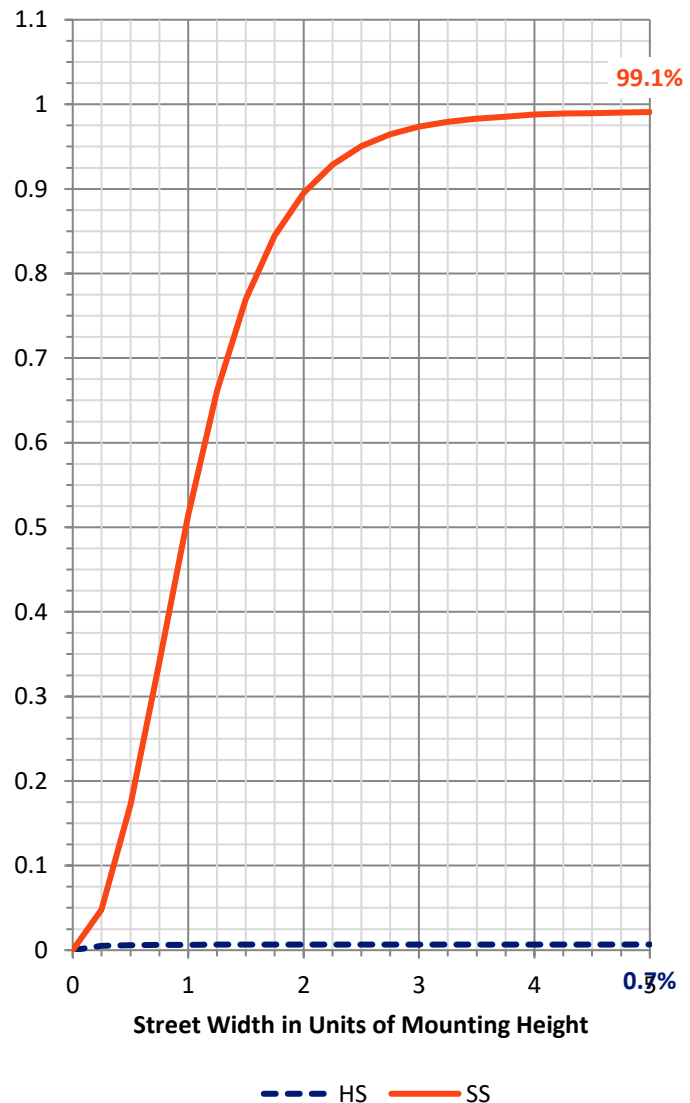
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	48.9	0.0	48.9
	% Fixture	0.7	0.0	0.7
Street Side	Lumens	7107.2	0.0	7107.2
	% Fixture	99.3	0.0	99.3
Total	Lumens	7156.0	0.0	7156.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.8	0.0
10°-20°	15.7	0.2
20°-30°	169.5	2.4
30°-40°	501.3	7.0
40°-50°	1494.3	20.9
50°-60°	2371.1	33.1
60°-70°	1977.8	27.6
70°-80°	610.0	8.5
80°-90°	13.5	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°	7156.0	100.0
0°-180°	7156.0	100.0



REPORT NUMBER: P1065571

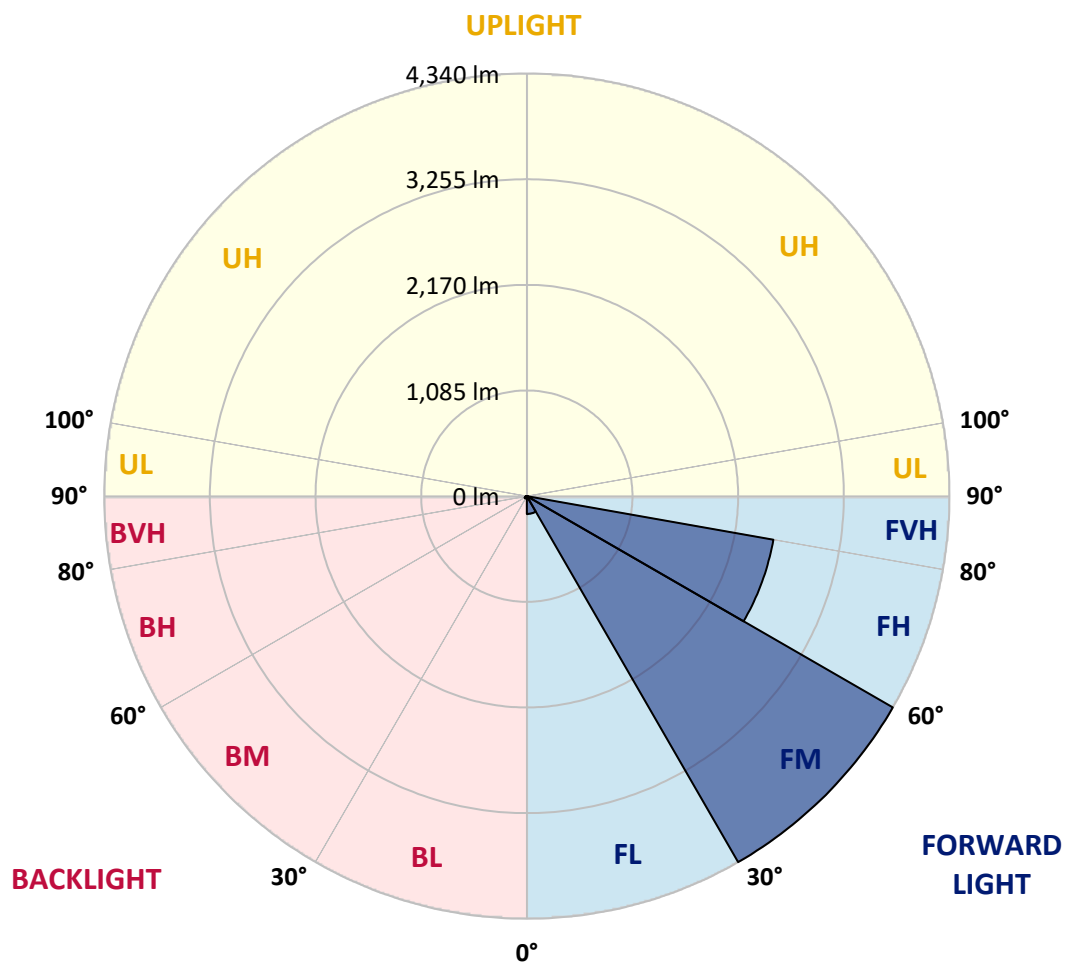
CATALOG NUMBER: GLAN-SA2C-930-U-LBC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	183.2	2.6			
FM	(30°-60°)	4340.0	60.6			
FH	(60°-80°)	2571.1	35.9			G2/5000
FVH	(80°-90°)	12.9	0.2			G1/100
BL	(0°-30°)	4.8	0.1	B0/110		
BM	(30°-60°)	26.7	0.4	B0/220		
BH	(60°-80°)	16.7	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



REPORT NUMBER: P1065571

CATALOG NUMBER: GLAN-SA2C-930-U-LBC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°
0°	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
2.5°	40.5	40.5	38.9	36.8	34.6	32.4	31.9	30.8	30.3	29.7
5°	42.2	42.2	41.6	40.0	37.8	36.2	36.2	34.6	33.5	32.4
7.5°	43.2	43.8	44.9	44.3	43.2	41.6	41.6	40.5	38.9	36.2
10°	44.9	46.5	48.7	49.7	50.3	50.3	49.7	49.2	46.5	42.7
12.5°	46.5	49.7	55.1	60.5	63.8	68.1	67.6	66.5	59.5	51.4
15°	49.7	54.6	66.0	81.6	106.0	121.1	127.0	121.6	98.4	69.2
17.5°	53.5	61.6	95.7	170.8	280.0	331.9	363.3	337.9	223.8	131.4
20°	57.3	75.1	177.8	442.7	726.5	896.3	943.3	869.8	558.4	250.3
22.5°	63.8	105.4	360.6	915.2	1565.5	1820.1	1868.2	1633.1	1054.7	494.1
25°	77.3	153.0	621.7	1491.5	2336.4	2766.1	2746.1	2438.0	1710.9	789.2
27.5°	96.8	222.7	940.1	2119.1	3074.8	3453.7	3499.2	3118.0	2280.7	1160.6
30°	124.9	308.7	1281.7	2621.8	3666.7	4076.5	4084.1	3690.0	2790.5	1486.6
32.5°	151.9	389.8	1580.6	3107.8	4250.0	4699.2	4732.8	4247.9	3171.0	1826.1
35°	172.4	442.7	1883.4	3534.8	4838.2	5457.1	5455.0	4879.2	3621.9	2129.3
37.5°	174.1	495.7	2157.4	3971.6	5583.1	6276.1	6344.8	5710.1	4166.8	2504.5
40°	170.3	555.2	2504.5	4652.7	6925.3	7988.6	8049.2	7249.1	5259.8	3146.7
42.5°	174.6	658.4	3067.8	5910.7	9154.1	10681.3	10798.0	9956.9	7269.1	4457.1
45°	197.3	852.5	4247.9	8015.1	12331.1	14192.9	14153.9	12942.5	9607.1	6451.8
47.5°	272.5	1327.7	5997.2	10063.4	14361.5	16019.5	16053.0	14572.3	10971.6	7985.4
50°	418.9	2031.5	7467.0	11146.2	15234.5	16897.9	16866.5	15155.6	11490.0	8740.6
52.5°	544.9	2540.7	8204.3	11526.2	15346.4	17332.0	17329.8	15309.1	11570.5	8805.5
55°	576.3	2579.1	8210.3	11546.7	15597.3	17900.1	17971.5	15687.0	11674.8	8522.2
57.5°	563.8	2283.4	7867.6	11665.7	16043.8	18339.6	18343.4	16053.0	11939.7	8348.7
58°	553.0	2236.9	7798.4	11733.2	16120.6	18358.0	18348.8	16069.7	12155.4	8342.2
60°	492.5	1942.3	7528.6	11905.7	16006.5	17980.7	17894.7	15703.8	12123.5	8275.7
62.5°	387.1	1515.2	7263.2	11706.2	14783.7	16154.1	16189.7	13903.1	11052.1	7888.1
65°	308.1	1129.3	6709.6	10268.3	12173.8	13265.8	13398.7	11305.6	9224.9	6679.4
67.5°	245.4	816.3	5628.5	8175.1	9633.1	11071.6	11168.3	9492.0	7147.0	5117.6
70°	199.5	551.9	3885.1	5978.8	7945.4	9562.8	9568.8	7885.4	5334.4	3353.2
72.5°	176.8	382.2	2255.3	4360.3	6442.6	7792.4	7635.1	6398.8	4099.7	1986.1
75°	153.0	253.5	1106.0	2665.6	3906.2	3932.7	3992.7	2968.3	2049.3	944.4
77.5°	126.0	180.0	435.7	728.2	1171.4	1499.6	1555.2	1178.5	681.7	232.4
80°	86.5	85.4	117.3	223.3	335.2	420.0	391.9	303.3	178.4	89.2
82.5°	37.3	40.5	53.0	63.8	51.9	50.3	48.1	30.8	23.8	18.4
85°	11.9	10.8	11.4	11.4	9.2	7.0	7.0	3.2	0.0	0.0
87.5°	5.9	4.9	4.9	4.3	2.7	1.1	0.5	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

REPORT NUMBER: P1065571

CATALOG NUMBER: GLAN-SA2C-930-U-LBC

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
31.4	0°	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
29.2	2.5°	28.7	28.7	27.6	26.5	25.9	24.9	24.3	23.8	23.2	22.7
31.4	5°	30.3	29.7	28.1	26.5	24.9	23.2	22.2	21.1	20.0	19.5
34.6	7.5°	33.0	31.9	28.7	25.9	23.8	21.6	20.5	18.9	17.8	16.2
38.4	10°	36.2	34.1	29.7	26.5	23.2	20.5	18.9	17.3	15.7	13.5
43.8	12.5°	40.5	36.8	31.4	25.9	22.2	18.9	17.3	15.1	13.5	11.9
50.8	15°	44.3	39.5	31.9	25.9	21.1	17.3	15.1	13.0	11.4	9.2
63.8	17.5°	49.7	41.6	31.4	24.3	19.5	15.1	13.0	11.4	8.6	5.4
94.6	20°	58.9	43.2	30.3	22.7	16.8	12.4	9.7	7.6	3.8	1.1
142.2	22.5°	73.5	47.6	29.2	20.5	14.6	9.7	6.5	2.7	0.0	0.0
216.2	25°	101.6	55.1	29.2	19.5	13.0	7.0	2.2	0.0	0.0	0.0
307.0	27.5°	135.1	65.4	29.2	16.8	10.3	3.8	0.0	0.0	0.0	0.0
418.4	30°	169.2	76.8	29.2	14.6	8.1	0.5	0.0	0.0	0.0	0.0
515.2	32.5°	201.6	86.5	29.7	12.4	5.4	0.0	0.0	0.0	0.0	0.0
649.2	35°	234.6	88.1	29.2	10.8	3.2	0.0	0.0	0.0	0.0	0.0
813.6	37.5°	276.8	84.9	27.6	9.7	1.6	0.0	0.0	0.0	0.0	0.0
1070.3	40°	340.6	86.5	25.9	9.2	0.5	0.0	0.0	0.0	0.0	0.0
1528.2	42.5°	458.4	93.5	23.8	9.2	0.0	0.0	0.0	0.0	0.0	0.0
2434.2	45°	792.5	125.4	21.6	9.7	0.0	0.0	0.0	0.0	0.0	0.0
3654.3	47.5°	1310.9	225.4	21.1	9.7	0.0	0.0	0.0	0.0	0.0	0.0
4401.9	50°	1673.1	283.8	22.2	10.3	0.0	0.0	0.0	0.0	0.0	0.0
4495.4	52.5°	1670.4	316.2	23.2	10.8	2.2	0.0	0.0	0.0	0.0	0.0
4143.5	55°	1485.0	322.2	24.9	11.9	7.0	0.0	0.0	0.0	0.0	0.0
3560.8	57.5°	1241.2	294.1	28.7	14.6	13.0	0.0	0.0	0.0	0.0	0.0
3469.4	58°	1197.9	281.1	29.7	15.1	14.1	0.0	0.0	0.0	0.0	0.0
3009.4	60°	981.7	229.2	37.8	18.9	18.9	0.0	0.0	0.0	0.0	0.0
2467.2	62.5°	677.9	200.0	43.2	24.3	19.5	0.0	0.0	0.0	0.0	0.0
1819.0	65°	479.5	180.6	47.0	25.9	15.7	0.0	0.0	0.0	0.0	0.0
1292.5	67.5°	358.4	166.5	51.9	26.5	8.1	0.0	0.0	0.0	0.0	0.0
810.9	70°	274.6	156.2	63.8	28.1	2.2	0.0	0.0	0.0	0.0	0.0
483.3	72.5°	223.8	144.3	77.3	29.2	0.0	0.0	0.0	0.0	0.0	0.0
289.7	75°	185.4	130.3	74.6	31.9	0.0	0.0	0.0	0.0	0.0	0.0
154.6	77.5°	123.3	101.1	68.1	31.9	0.0	0.0	0.0	0.0	0.0	0.0
55.1	80°	43.2	40.0	53.0	28.1	0.0	0.0	0.0	0.0	0.0	0.0
11.4	82.5°	6.5	5.4	7.6	9.7	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

REPORT NUMBER: P1065571

CATALOG NUMBER: GLAN-SA2C-930-U-LBC

CANDELA DISTRIBUTION (continued):

180°		185°	195°	205°	215°	225°	235°	245°	255°	265°	270°
31.4	0°	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
22.2	2.5°	22.2	22.2	21.6	22.2	22.2	23.2	25.9	29.7	34.1	35.7
18.9	5°	18.4	17.8	17.3	17.3	17.3	18.9	21.1	25.4	30.3	32.4
15.7	7.5°	15.1	14.6	14.1	13.5	13.5	14.6	17.3	22.2	27.0	29.2
13.0	10°	12.4	11.4	10.8	10.3	10.3	11.4	14.1	18.9	24.3	26.5
10.8	12.5°	10.3	8.6	7.6	7.0	6.5	8.1	10.8	15.1	21.1	23.8
8.1	15°	7.0	5.4	3.8	3.2	2.7	4.3	7.0	11.9	17.8	21.1
4.3	17.5°	3.8	1.6	0.5	0.0	0.0	1.1	3.2	8.6	14.6	17.3
0.0	20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	10.8	13.5
0.0	22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	6.5	9.2
0.0	25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	4.9
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
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	1.6
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	4.3
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1065571

CATALOG NUMBER: GLAN-SA2C-930-U-LBC

CANDELA DISTRIBUTION (continued):

275°		285°	295°	305°	315°	316°	325°	335°	345°	355°	360°
31.4	0°	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
37.3	2.5°	38.4	37.8	36.8	35.7	35.7	35.7	37.3	38.9	40.5	40.5
33.5	5°	35.7	35.7	35.1	34.1	34.1	34.6	36.8	39.5	41.6	42.2
30.8	7.5°	33.0	34.1	33.0	32.4	33.0	33.5	35.7	38.9	42.2	43.2
28.7	10°	31.4	31.9	31.9	31.4	31.4	32.4	34.6	38.9	43.2	44.9
25.9	12.5°	29.2	30.3	29.7	29.7	29.7	30.8	33.5	38.4	44.3	46.5
23.2	15°	27.0	28.7	28.7	28.1	28.1	28.7	32.4	37.8	45.9	49.7
20.0	17.5°	24.9	26.5	27.0	25.9	25.9	27.0	30.8	37.8	47.0	53.5
16.2	20°	20.5	23.2	24.9	23.2	23.2	24.3	28.1	35.7	47.6	57.3
11.9	22.5°	16.2	18.9	21.1	20.5	20.5	21.1	25.9	34.1	48.1	63.8
7.0	25°	11.9	14.6	16.2	17.3	17.3	18.9	23.8	33.0	50.3	77.3
3.2	27.5°	7.0	10.3	12.4	13.5	14.1	16.2	22.2	31.9	54.1	96.8
0.0	30°	3.2	5.9	8.6	10.8	10.8	14.6	20.5	30.8	58.9	124.9
0.0	32.5°	0.0	2.7	4.3	7.6	8.1	11.9	18.9	29.7	66.0	151.9
0.0	35°	0.0	0.0	2.2	5.9	5.9	9.7	17.3	28.7	76.8	172.4
0.0	37.5°	0.0	0.0	0.0	4.3	4.9	8.6	16.8	28.1	78.9	174.1
0.0	40°	0.0	0.0	0.0	3.2	3.8	8.1	16.8	28.7	71.4	170.3
0.0	42.5°	0.0	0.0	0.0	2.2	2.7	8.1	16.8	29.7	64.3	174.6
0.0	45°	0.0	0.0	0.0	1.6	2.2	8.6	16.2	29.2	60.5	197.3
0.0	47.5°	0.0	0.0	0.0	2.2	3.2	8.6	15.7	28.7	61.1	272.5
0.0	50°	0.0	0.0	0.0	2.7	3.8	8.6	16.2	27.6	67.0	418.9
0.0	52.5°	0.0	0.0	0.0	2.2	3.2	9.7	17.8	27.0	73.0	544.9
0.0	55°	0.0	0.0	0.0	0.5	1.6	12.4	19.5	27.0	82.2	576.3
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	14.1	22.2	28.7	97.3	563.8
0.0	58°	0.0	0.0	0.0	0.0	0.0	14.1	22.7	28.7	98.4	553.0
0.0	60°	0.0	0.0	0.0	0.0	0.0	14.1	24.9	31.9	106.0	492.5
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	11.9	29.7	40.0	110.3	387.1
0.0	65°	0.0	0.0	0.0	0.0	0.0	9.7	35.1	43.8	113.5	308.1
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	9.2	36.2	44.3	115.1	245.4
0.0	70°	0.0	0.0	0.0	0.0	0.0	9.7	35.7	47.6	120.5	199.5
0.0	72.5°	0.0	0.0	0.0	0.0	0.0	10.8	32.4	52.4	120.5	176.8
0.0	75°	0.0	0.0	0.0	0.0	0.0	11.4	30.3	58.9	109.7	153.0
0.0	77.5°	0.0	0.0	0.0	0.0	0.0	10.8	29.7	68.7	97.8	126.0
0.0	80°	1.1	1.6	1.6	1.1	1.1	9.2	29.2	69.7	83.2	86.5
0.5	82.5°	3.2	4.3	3.8	2.7	2.7	8.1	25.9	58.4	43.2	37.3
3.2	85°	5.9	7.0	7.0	5.9	5.9	7.6	16.2	21.1	14.6	11.9
5.9	87.5°	8.1	9.2	9.2	8.1	8.1	7.6	7.0	6.5	5.9	5.9
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: SP1-2407-184-14

Test Date: 10/11/2024

Luminaire Tested: GSS-SB1A-930-U-5WQ

Data in this report applies to families of products including GSS-SB1A-930-U-5WQ

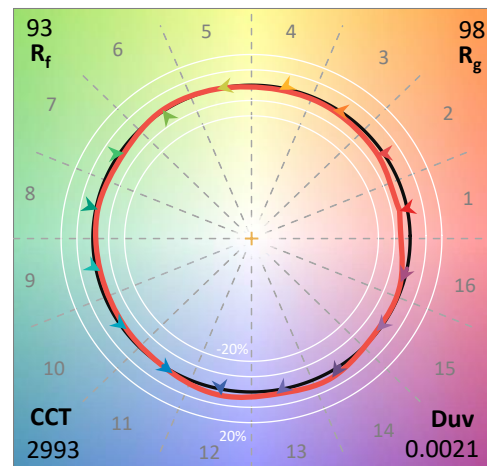
Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-14
 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-930-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 90 CRI
 3000K CCT 26 LEDS

Spectral Parameters

CCT (K): 2993
 CIE u' : 0.2501
 CIE v' : 0.5245
 Duv: 0.0021
 CIE x: 0.4406
 CIE y: 0.4107
 CIE z: 0.1487
 Peak Wavelength (nm): 621
 Dominant Wavelength (nm): 582
 Purity: 55.53327
 R_f: 92.6
 R_g: 98.5

CRI (Ra): 92.4
 R1: 92.2
 R2: 95.2
 R3: 97.0
 R4: 93.1
 R5: 91.7
 R6: 94.2
 R7: 93.3
 R8: 82.3
 R9: 58.2
 R10: 87.7
 R11: 93.5
 R12: 81.7
 R13: 92.9
 R14: 97.6
 R15: 88.1



Test Conditions

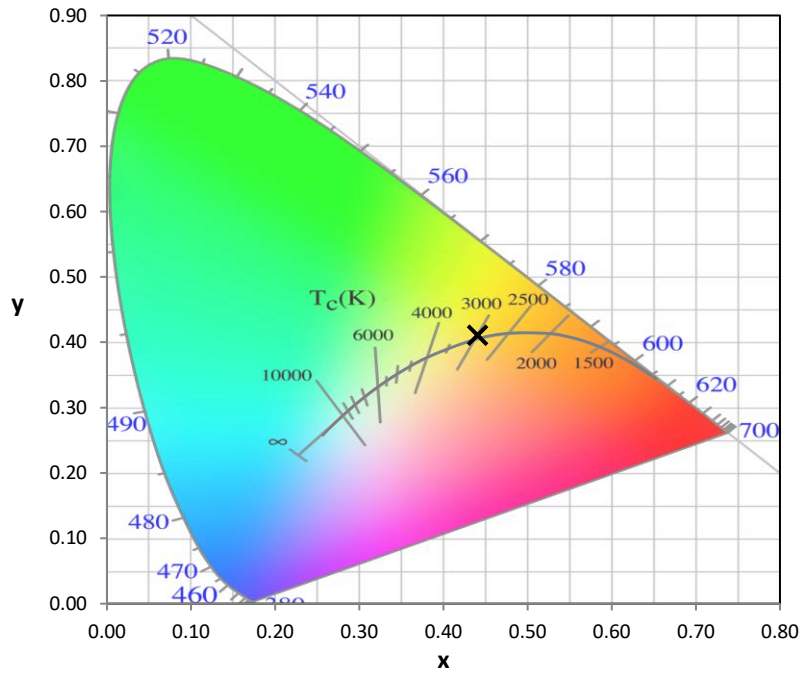
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-14

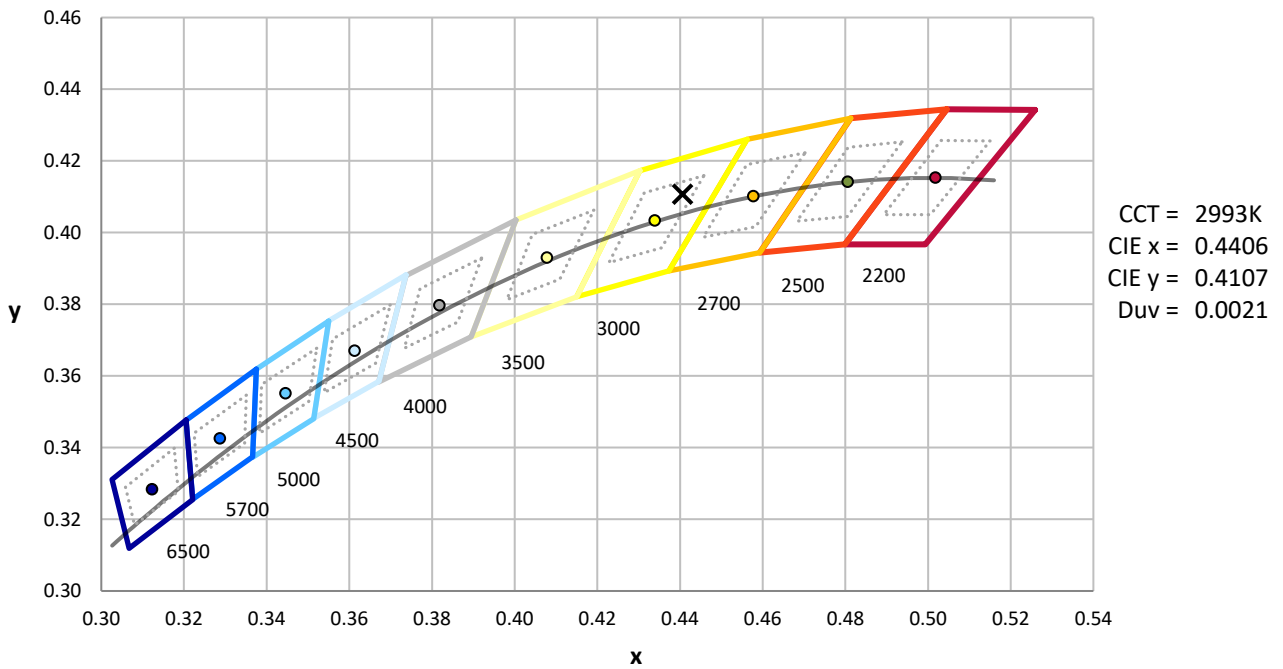
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-14

CIE 1931 Chromaticity Diagram



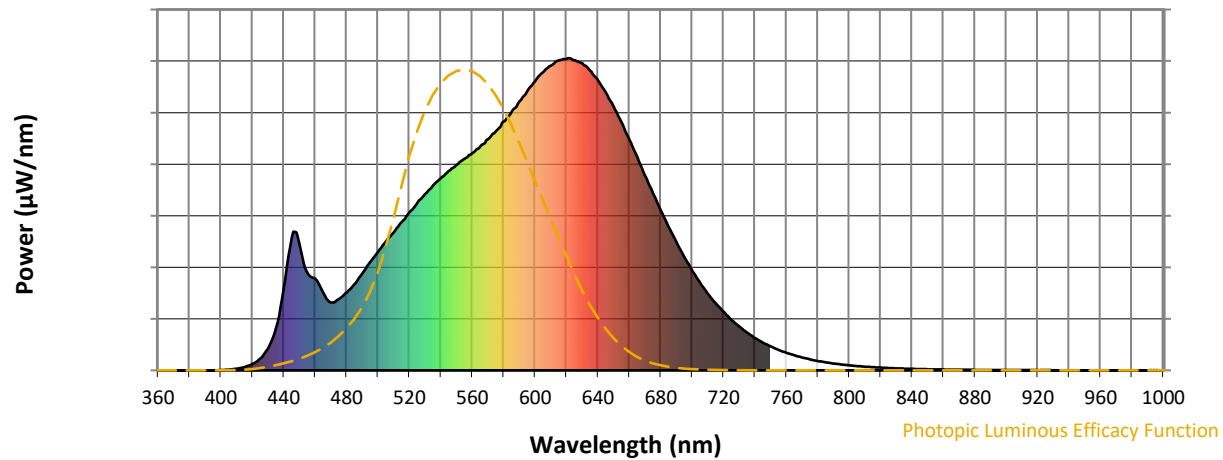
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-14

Photopic Flux vs. Wavelength

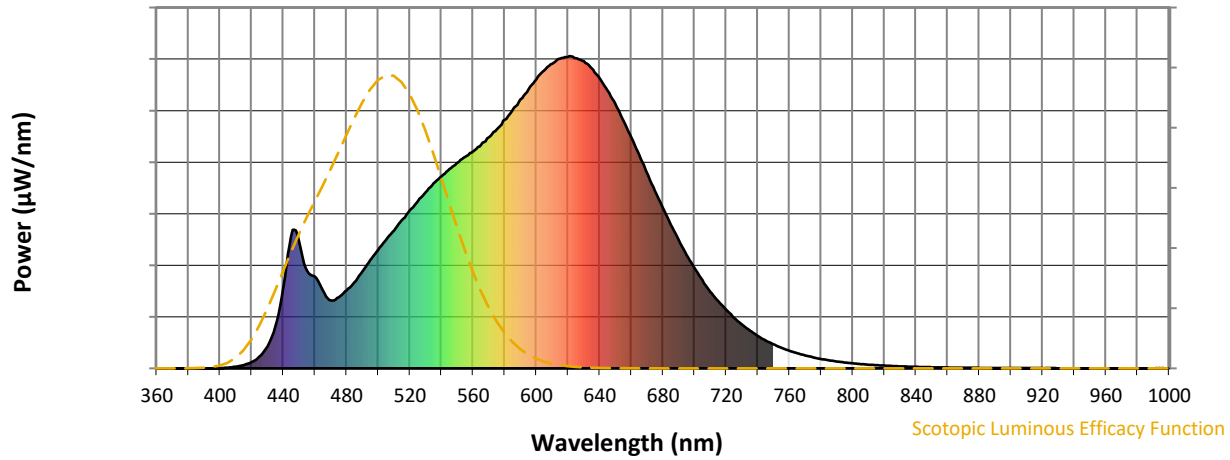


Photopic Lumens: NR

λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	310	NR	620	998	NR	750	77	NR	880	2	NR
365	0	NR	495	347	NR	625	993	NR	755	66	NR	885	1	NR
370	0	NR	500	379	NR	630	983	NR	760	56	NR	890	1	NR
375	0	NR	505	412	NR	635	960	NR	765	48	NR	895	1	NR
380	0	NR	510	442	NR	640	930	NR	770	41	NR	900	1	NR
385	0	NR	515	475	NR	645	889	NR	775	35	NR	905	1	NR
390	0	NR	520	506	NR	650	846	NR	780	30	NR	910	1	NR
395	0	NR	525	535	NR	655	794	NR	785	26	NR	915	1	NR
400	1	NR	530	565	NR	660	740	NR	790	22	NR	920	1	NR
405	2	NR	535	592	NR	665	684	NR	795	19	NR	925	1	NR
410	6	NR	540	615	NR	670	624	NR	800	16	NR	930	0	NR
415	10	NR	545	638	NR	675	567	NR	805	14	NR	935	0	NR
420	20	NR	550	658	NR	680	513	NR	810	12	NR	940	0	NR
425	38	NR	555	678	NR	685	459	NR	815	10	NR	945	0	NR
430	70	NR	560	695	NR	690	412	NR	820	9	NR	950	0	NR
435	136	NR	565	716	NR	695	363	NR	825	8	NR	955	0	NR
440	262	NR	570	740	NR	700	320	NR	830	7	NR	960	0	NR
445	424	NR	575	765	NR	705	281	NR	835	6	NR	965	0	NR
450	406	NR	580	796	NR	710	245	NR	840	5	NR	970	0	NR
455	313	NR	585	827	NR	715	215	NR	845	4	NR	975	0	NR
460	294	NR	590	861	NR	720	188	NR	850	4	NR	980	0	NR
465	250	NR	595	894	NR	725	162	NR	855	3	NR	985	0	NR
470	217	NR	600	927	NR	730	140	NR	860	3	NR	990	0	NR
475	228	NR	605	954	NR	735	121	NR	865	2	NR	995	0	NR
480	249	NR	610	976	NR	740	104	NR	870	2	NR	1000	0	NR
485	276	NR	615	992	NR	745	89	NR	875	2	NR			

REPORT NUMBER: SP1-2407-184-14

Scotopic Flux vs. Wavelength



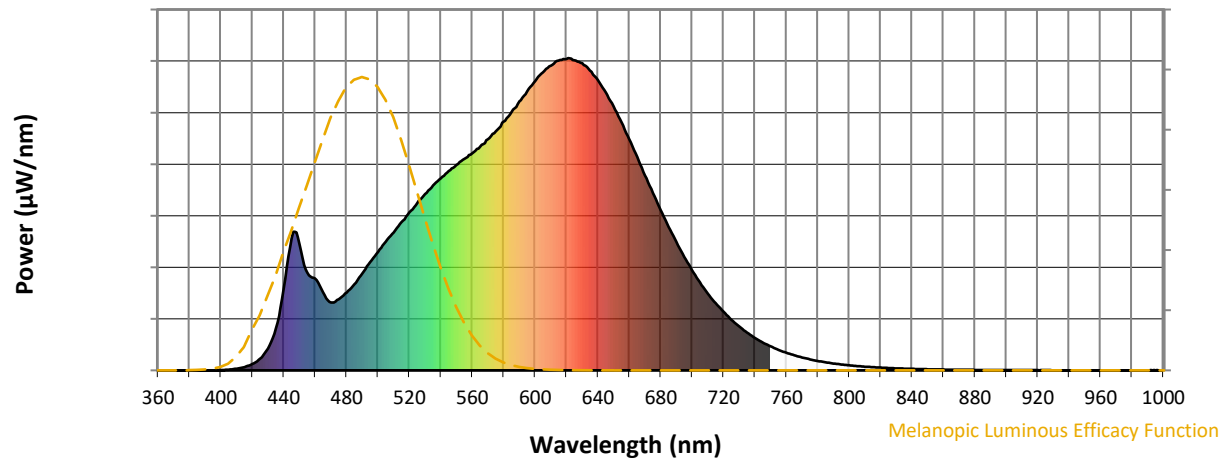
Scotopic Lumens: NR

S/P: 1.39

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	310	NR	620	998	NR	750	77	NR	880	2	NR
365	0	NR	495	347	NR	625	993	NR	755	66	NR	885	1	NR
370	0	NR	500	379	NR	630	983	NR	760	56	NR	890	1	NR
375	0	NR	505	412	NR	635	960	NR	765	48	NR	895	1	NR
380	0	NR	510	442	NR	640	930	NR	770	41	NR	900	1	NR
385	0	NR	515	475	NR	645	889	NR	775	35	NR	905	1	NR
390	0	NR	520	506	NR	650	846	NR	780	30	NR	910	1	NR
395	0	NR	525	535	NR	655	794	NR	785	26	NR	915	1	NR
400	1	NR	530	565	NR	660	740	NR	790	22	NR	920	1	NR
405	2	NR	535	592	NR	665	684	NR	795	19	NR	925	1	NR
410	6	NR	540	615	NR	670	624	NR	800	16	NR	930	0	NR
415	10	NR	545	638	NR	675	567	NR	805	14	NR	935	0	NR
420	20	NR	550	658	NR	680	513	NR	810	12	NR	940	0	NR
425	38	NR	555	678	NR	685	459	NR	815	10	NR	945	0	NR
430	70	NR	560	695	NR	690	412	NR	820	9	NR	950	0	NR
435	136	NR	565	716	NR	695	363	NR	825	8	NR	955	0	NR
440	262	NR	570	740	NR	700	320	NR	830	7	NR	960	0	NR
445	424	NR	575	765	NR	705	281	NR	835	6	NR	965	0	NR
450	406	NR	580	796	NR	710	245	NR	840	5	NR	970	0	NR
455	313	NR	585	827	NR	715	215	NR	845	4	NR	975	0	NR
460	294	NR	590	861	NR	720	188	NR	850	4	NR	980	0	NR
465	250	NR	595	894	NR	725	162	NR	855	3	NR	985	0	NR
470	217	NR	600	927	NR	730	140	NR	860	3	NR	990	0	NR
475	228	NR	605	954	NR	735	121	NR	865	2	NR	995	0	NR
480	249	NR	610	976	NR	740	104	NR	870	2	NR	1000	0	NR
485	276	NR	615	992	NR	745	89	NR	875	2	NR			

REPORT NUMBER: SP1-2407-184-14

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.69

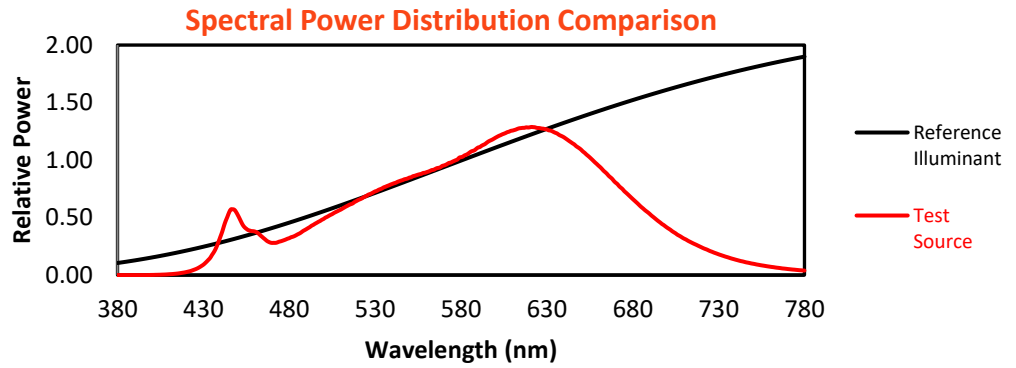
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	310	NR	620	998	NR	750	77	NR	880	2	NR
365	0	NR	495	347	NR	625	993	NR	755	66	NR	885	1	NR
370	0	NR	500	379	NR	630	983	NR	760	56	NR	890	1	NR
375	0	NR	505	412	NR	635	960	NR	765	48	NR	895	1	NR
380	0	NR	510	442	NR	640	930	NR	770	41	NR	900	1	NR
385	0	NR	515	475	NR	645	889	NR	775	35	NR	905	1	NR
390	0	NR	520	506	NR	650	846	NR	780	30	NR	910	1	NR
395	0	NR	525	535	NR	655	794	NR	785	26	NR	915	1	NR
400	1	NR	530	565	NR	660	740	NR	790	22	NR	920	1	NR
405	2	NR	535	592	NR	665	684	NR	795	19	NR	925	1	NR
410	6	NR	540	615	NR	670	624	NR	800	16	NR	930	0	NR
415	10	NR	545	638	NR	675	567	NR	805	14	NR	935	0	NR
420	20	NR	550	658	NR	680	513	NR	810	12	NR	940	0	NR
425	38	NR	555	678	NR	685	459	NR	815	10	NR	945	0	NR
430	70	NR	560	695	NR	690	412	NR	820	9	NR	950	0	NR
435	136	NR	565	716	NR	695	363	NR	825	8	NR	955	0	NR
440	262	NR	570	740	NR	700	320	NR	830	7	NR	960	0	NR
445	424	NR	575	765	NR	705	281	NR	835	6	NR	965	0	NR
450	406	NR	580	796	NR	710	245	NR	840	5	NR	970	0	NR
455	313	NR	585	827	NR	715	215	NR	845	4	NR	975	0	NR
460	294	NR	590	861	NR	720	188	NR	850	4	NR	980	0	NR
465	250	NR	595	894	NR	725	162	NR	855	3	NR	985	0	NR
470	217	NR	600	927	NR	730	140	NR	860	3	NR	990	0	NR
475	228	NR	605	954	NR	735	121	NR	865	2	NR	995	0	NR
480	249	NR	610	976	NR	740	104	NR	870	2	NR	1000	0	NR
485	276	NR	615	992	NR	745	89	NR	875	2	NR			

REPORT NUMBER: SP1-2407-184-14

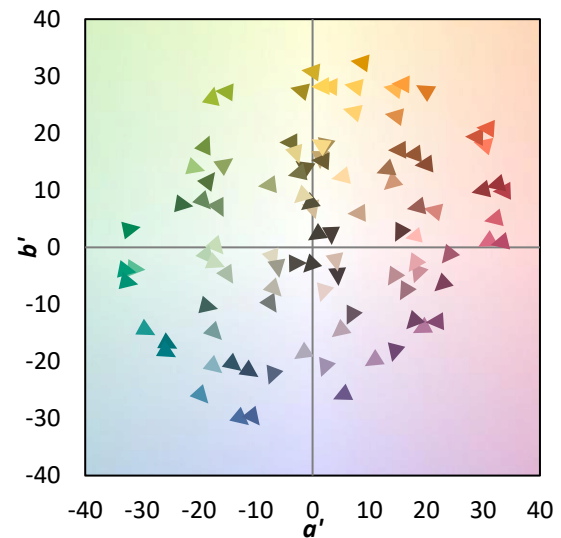
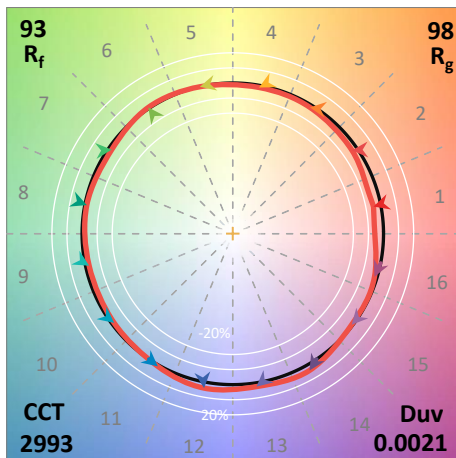
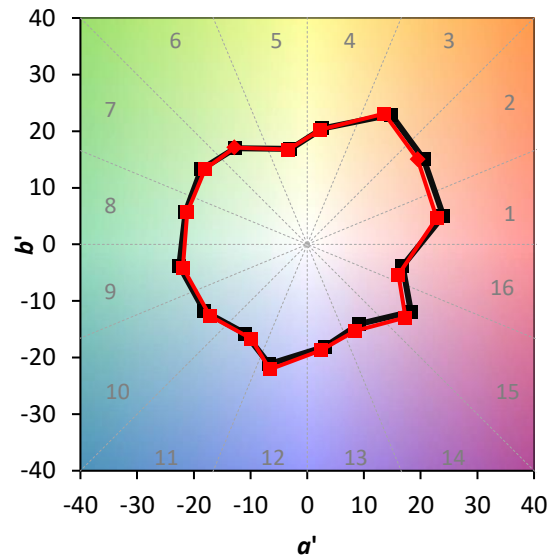
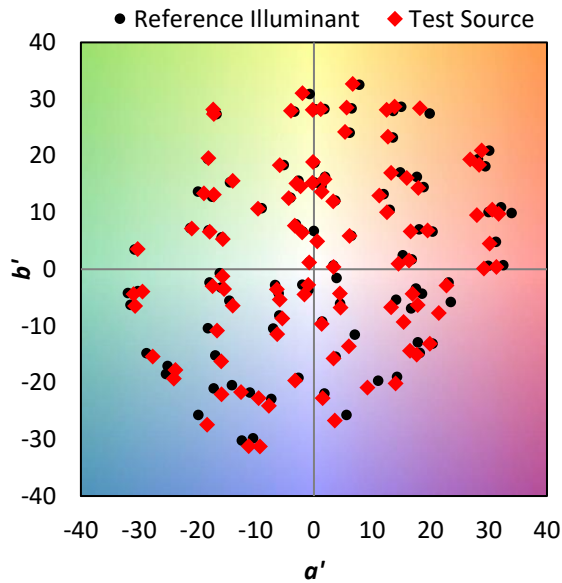
TM-30-18

Summary

$R_f = 92.6$
 $R_g = 98.5$
 $CIE R_a = 92.4$
 $R_9 = 58.2$

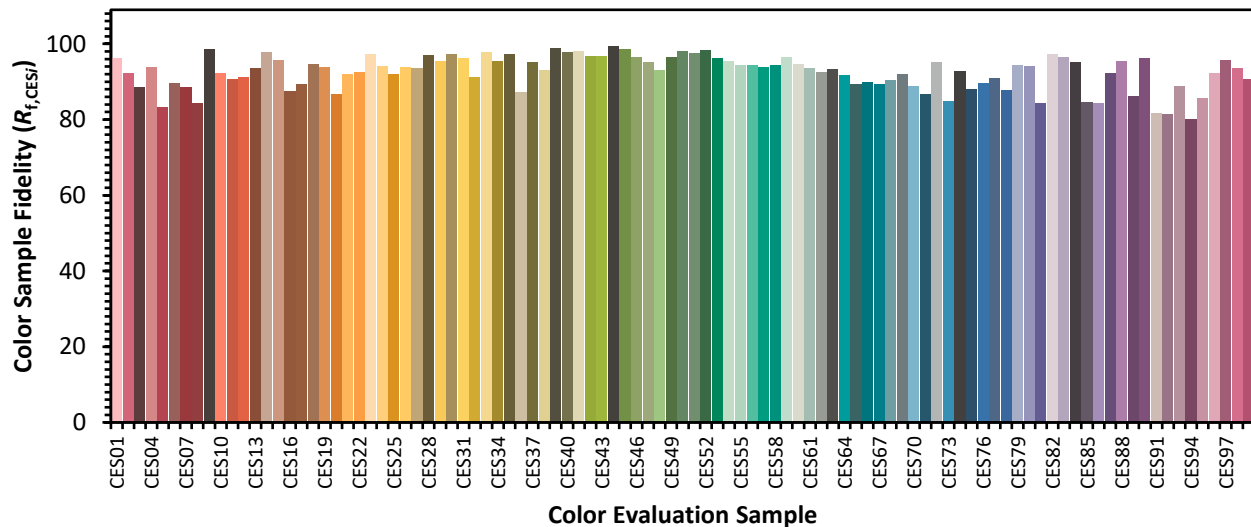


Color Vector Graphics

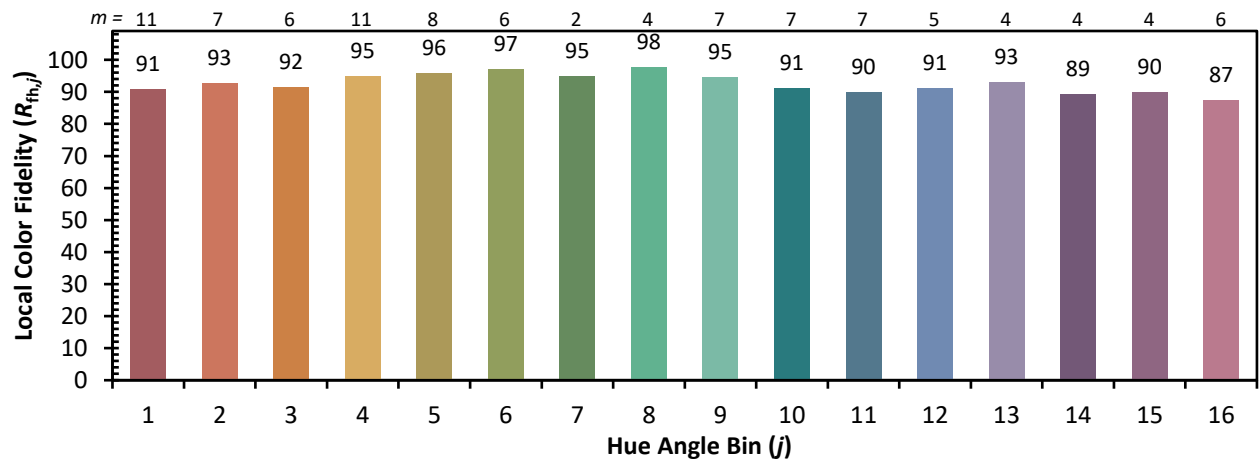
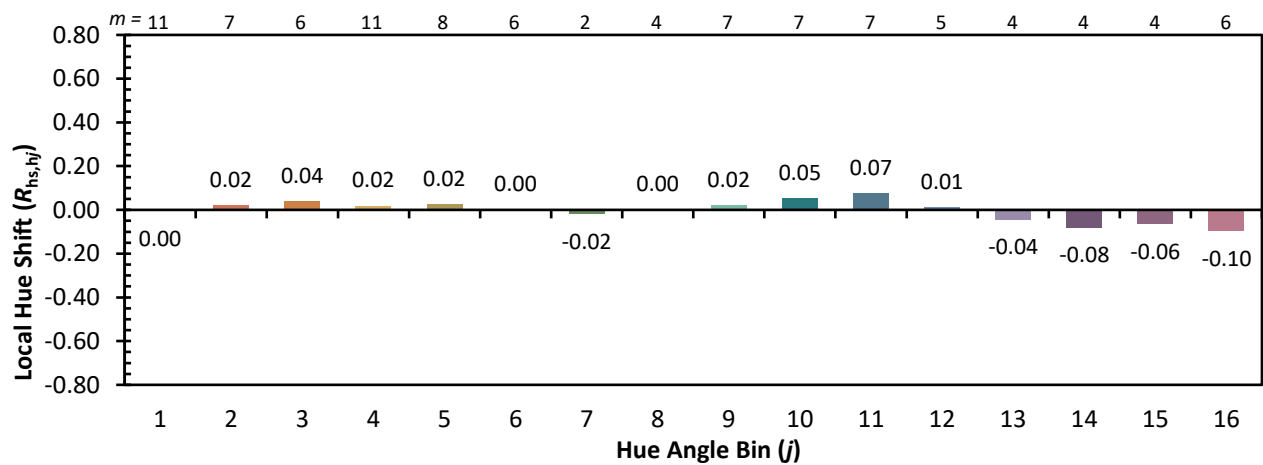
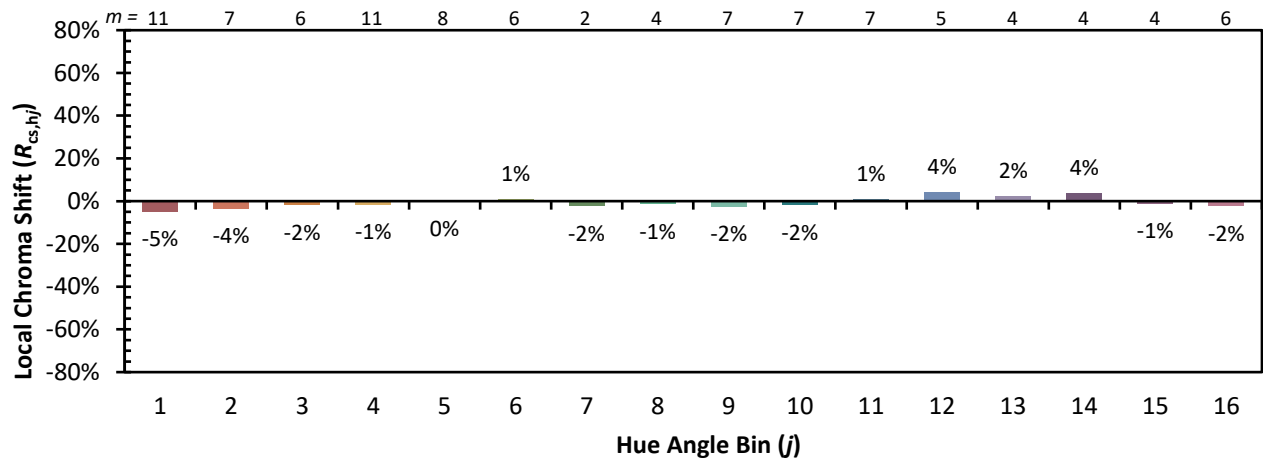


Individual Sample Fidelity Index ($R_{f,i}$)

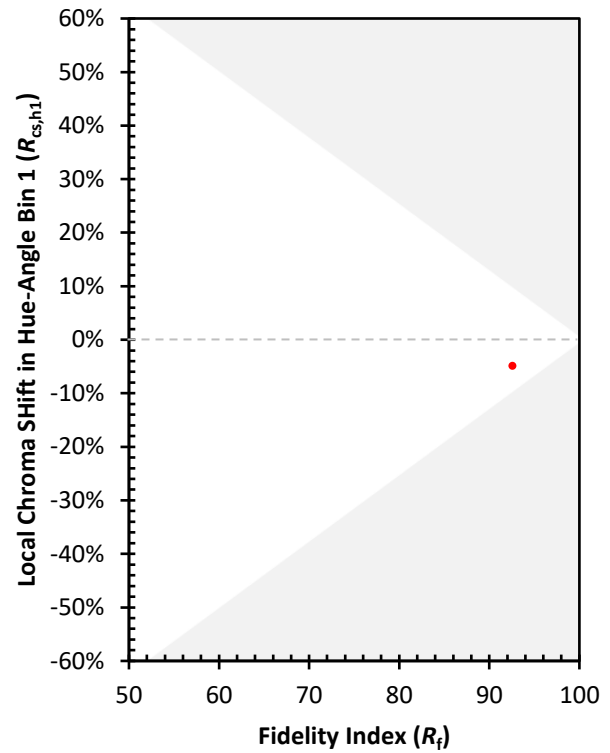
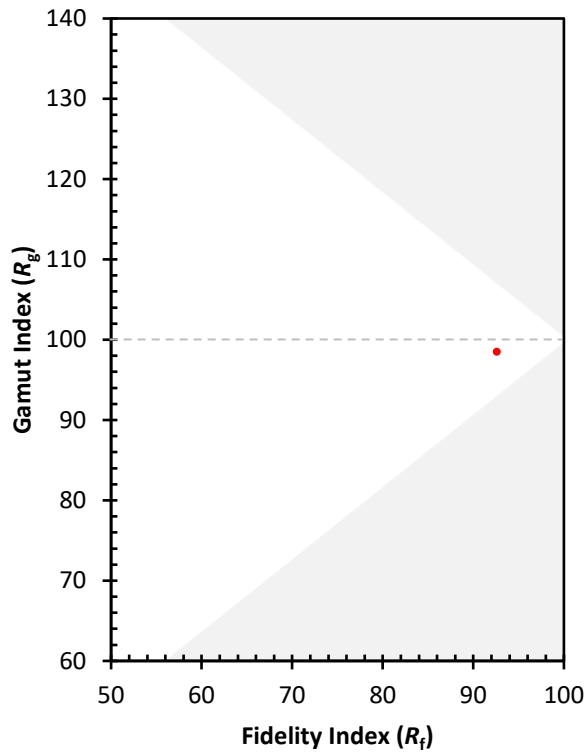
CES01 = 86	CES26 = 94	CES51 = 98	CES76 = 90
CES02 = 63	CES27 = 94	CES52 = 98	CES77 = 91
CES03 = 32	CES28 = 97	CES53 = 96	CES78 = 88
CES04 = 70	CES29 = 95	CES54 = 95	CES79 = 94
CES05 = 51	CES30 = 97	CES55 = 94	CES80 = 94
CES06 = 51	CES31 = 96	CES56 = 94	CES81 = 84
CES07 = 43	CES32 = 91	CES57 = 94	CES82 = 97
CES08 = 42	CES33 = 98	CES58 = 94	CES83 = 97
CES09 = 29	CES34 = 96	CES59 = 97	CES84 = 95
CES10 = 76	CES35 = 97	CES60 = 95	CES85 = 85
CES11 = 59	CES36 = 87	CES61 = 94	CES86 = 84
CES12 = 65	CES37 = 95	CES62 = 92	CES87 = 92
CES13 = 44	CES38 = 93	CES63 = 93	CES88 = 95
CES14 = 74	CES39 = 99	CES64 = 92	CES89 = 86
CES15 = 72	CES40 = 98	CES65 = 89	CES90 = 96
CES16 = 48	CES41 = 98	CES66 = 90	CES91 = 82
CES17 = 50	CES42 = 97	CES67 = 89	CES92 = 81
CES18 = 57	CES43 = 97	CES68 = 90	CES93 = 89
CES19 = 72	CES44 = 99	CES69 = 92	CES94 = 80
CES20 = 67	CES45 = 99	CES70 = 89	CES95 = 86
CES21 = 86	CES46 = 96	CES71 = 87	CES96 = 92
CES22 = 79	CES47 = 95	CES72 = 95	CES97 = 96
CES23 = 92	CES48 = 93	CES73 = 85	CES98 = 94
CES24 = 91	CES49 = 97	CES74 = 93	CES99 = 91
CES25 = 72	CES50 = 98	CES75 = 88	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)