

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: P1049946

Luminaire Tested: **GALN-SA5B-930-U-LBC**

Issue Date: 07/10/2025



Test Information

Test Method: LM-79-08
Report Number: P1049946
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA5B-930-U-LBC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 800mA 5xLight Square PACKAGE
90CRI 3000K FIXTURE w/ LEFT CORNER BACKLIGHT CONTROL
Light Source: (70) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14035.5 lumens
Efficiency: N/A
Efficacy: 78.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G3

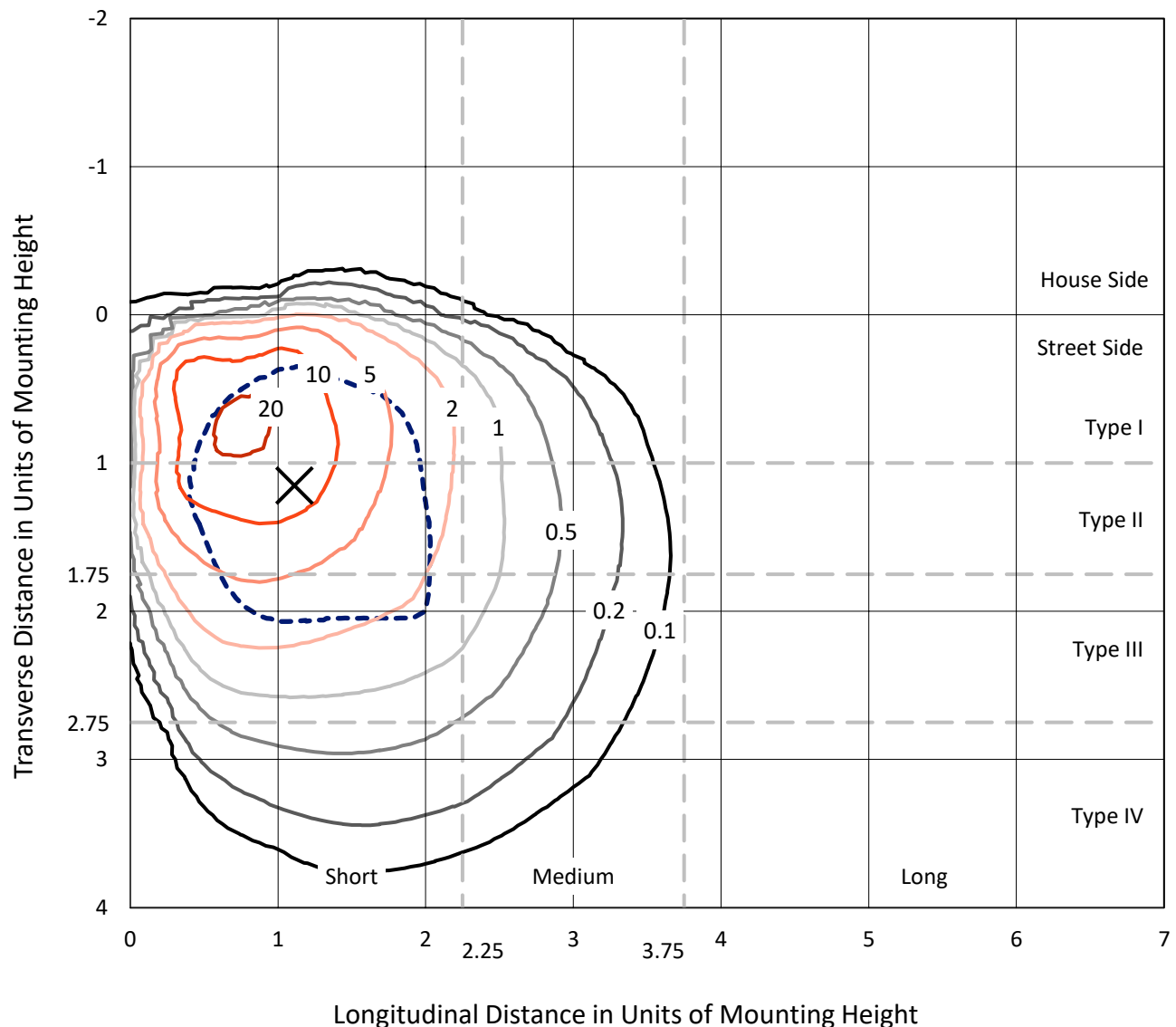
Input Watts (W): 178.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

REPORT NUMBER: P1049946

CATALOG NUMBER: GALN-SA5B-930-U-LBC

Iso-Footcandle Lines of Horizontal Illumination

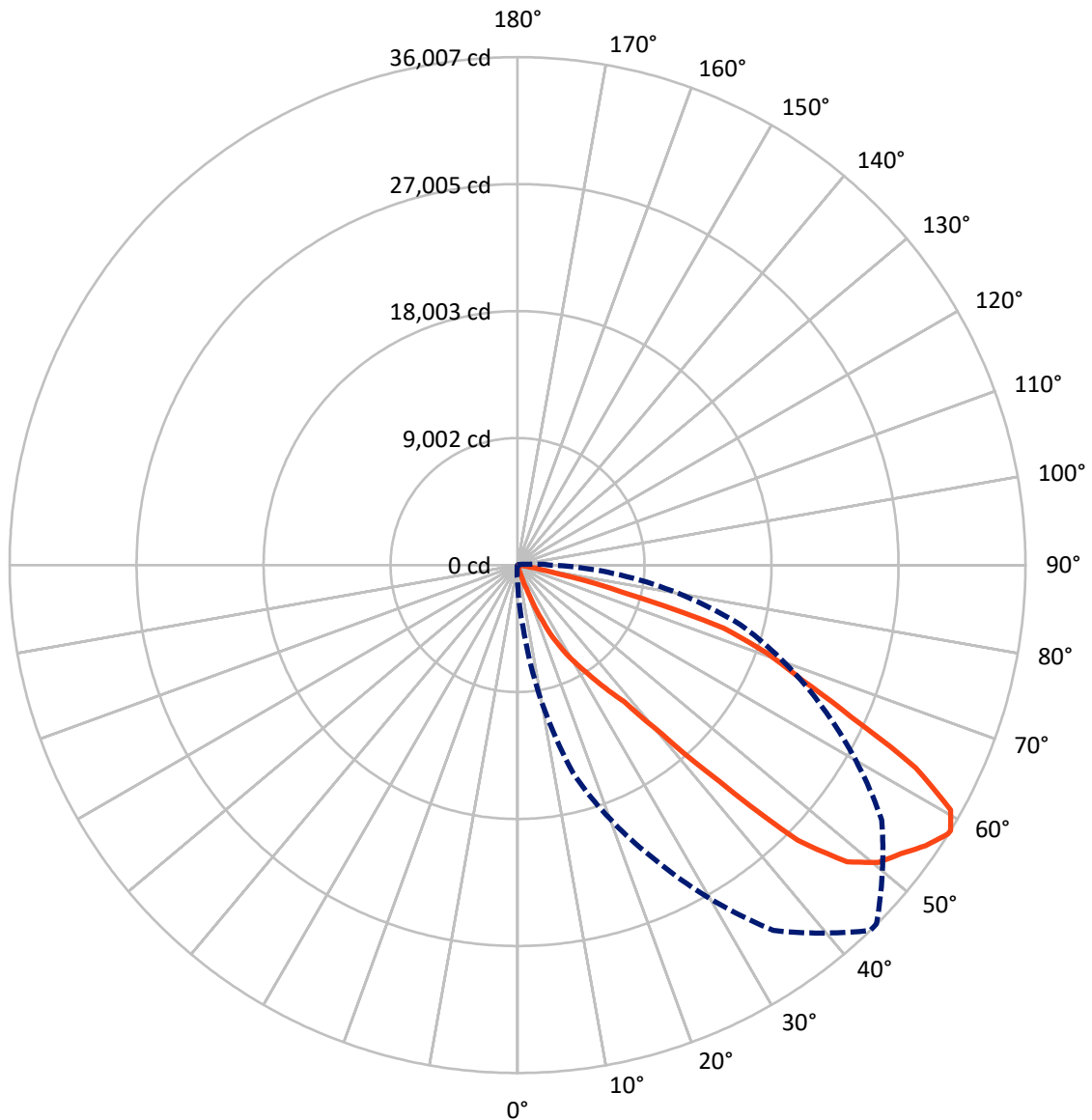
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 24.4 fc
 Type III - Short - N/A

REPORT NUMBER: P1049946
CATALOG NUMBER: GALN-SA5B-930-U-LBC

Luminous Intensity Polar Plot



— Vertical Plane Through 44-Deg Lateral - - - Horizontal Cone Through 58-Deg Vertical

REPORT NUMBER: P1049946

CATALOG NUMBER: GALN-SA5B-930-U-LBC

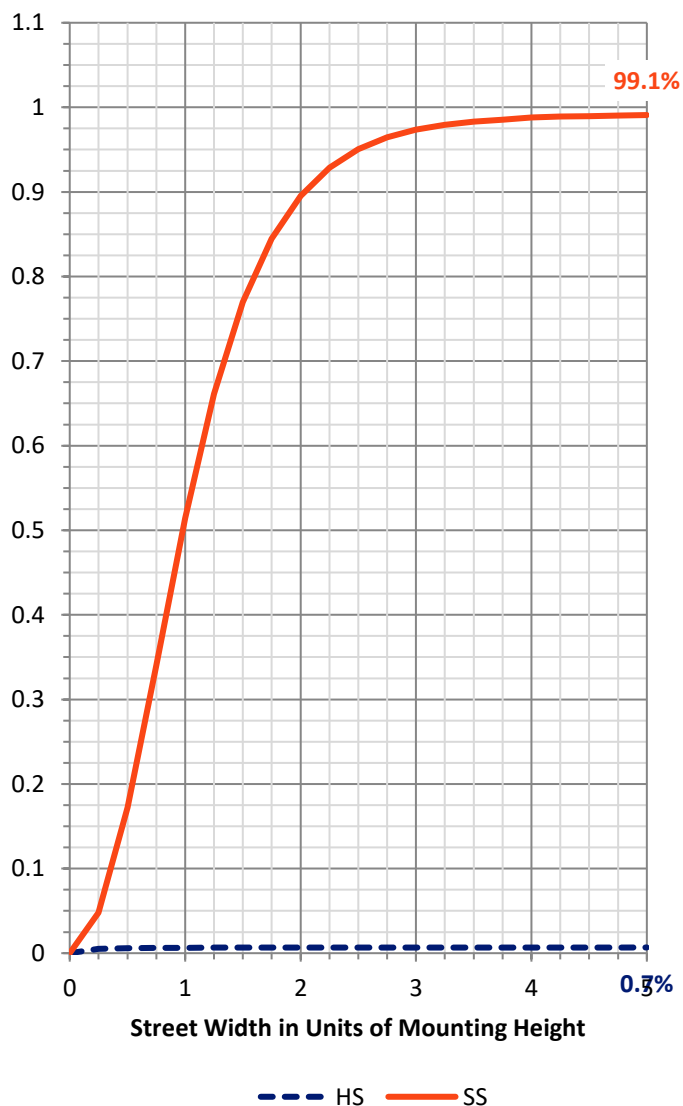
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	95.8	0.0	95.8
	% Fixture	0.7	0.0	0.7
Street Side	Lumens	13939.7	0.0	13939.7
	% Fixture	99.3	0.0	99.3
Total	Lumens	14035.5	0.0	14035.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.5	0.0
10°-20°	30.8	0.2
20°-30°	332.5	2.4
30°-40°	983.3	7.0
40°-50°	2930.8	20.9
50°-60°	4650.5	33.1
60°-70°	3879.1	27.6
70°-80°	1196.4	8.5
80°-90°	26.6	0.2
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	14035.5	100.0
0°-180°	14035.5	100.0



REPORT NUMBER: P1049946

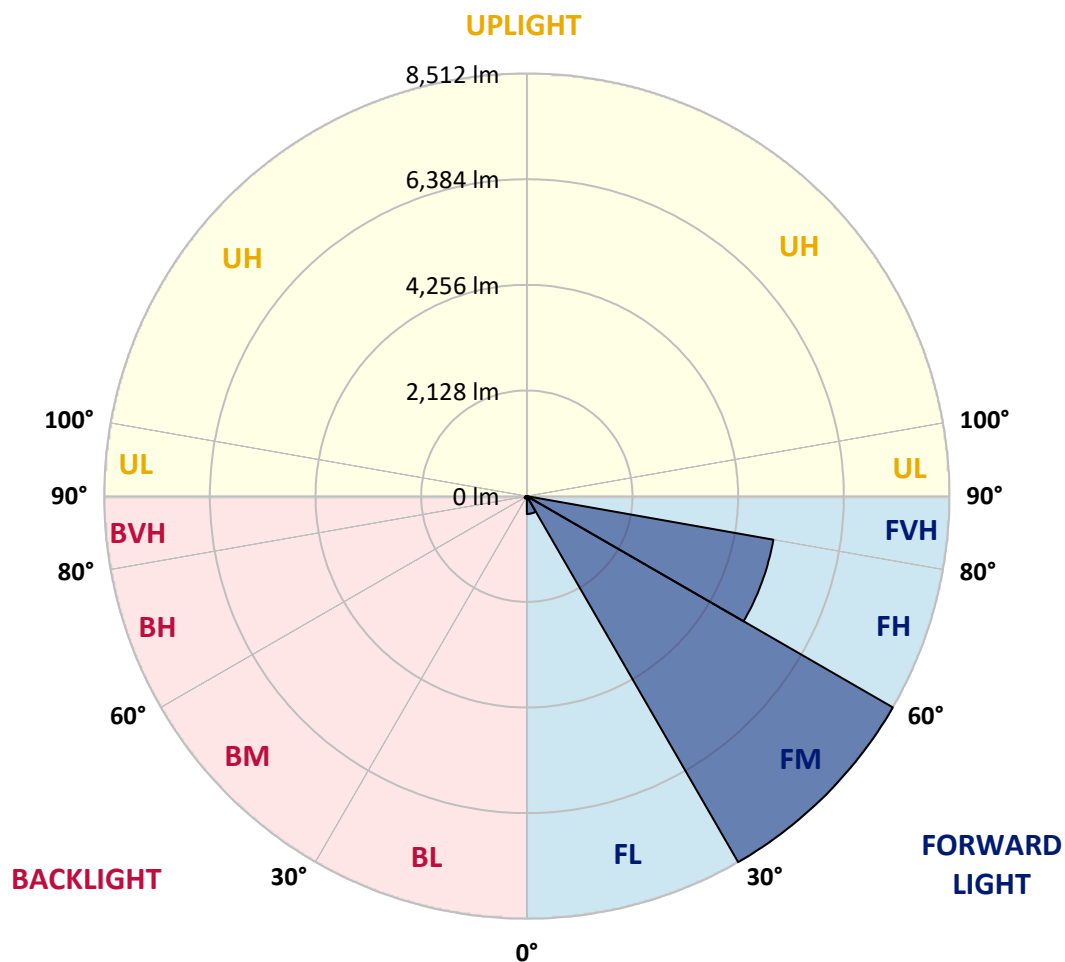
CATALOG NUMBER: GALN-SA5B-930-U-LBC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	359.4	2.6			
FM	(30°-60°)	8512.2	60.6			
FH	(60°-80°)	5042.7	35.9			G3/7500
FVH	(80°-90°)	25.3	0.2			G1/100
BL	(0°-30°)	9.4	0.1	B0/110		
BM	(30°-60°)	52.5	0.4	B0/220		
BH	(60°-80°)	32.7	0.2	B0/110		G0/110
BVH	(80°-90°)	1.3	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-G3

Type III Short



REPORT NUMBER: P1049946

CATALOG NUMBER: GALN-SA5B-930-U-LBC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°
0°	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
2.5°	79.5	79.5	76.3	72.1	67.9	63.6	62.6	60.4	59.4	58.3
5°	82.7	82.7	81.6	78.5	74.2	71.0	71.0	67.9	65.7	63.6
7.5°	84.8	85.9	88.0	86.9	84.8	81.6	81.6	79.5	76.3	71.0
10°	88.0	91.2	95.4	97.5	98.6	98.6	97.5	96.5	91.2	83.8
12.5°	91.2	97.5	108.1	118.7	125.1	133.6	132.5	130.4	116.6	100.7
15°	97.5	107.1	129.4	160.1	207.8	237.5	249.2	238.6	193.0	135.7
17.5°	105.0	120.9	187.7	335.0	549.2	651.0	712.5	662.7	438.9	257.6
20°	112.4	147.4	348.8	868.4	1425.0	1757.9	1850.2	1706.0	1095.3	490.9
22.5°	125.1	206.8	707.2	1795.0	3070.5	3569.9	3664.3	3203.1	2068.6	969.1
25°	151.6	300.1	1219.3	2925.3	4582.5	5425.4	5386.1	4781.8	3355.7	1548.0
27.5°	189.8	436.8	1843.8	4156.2	6030.8	6774.0	6863.1	6115.6	4473.2	2276.4
30°	244.9	605.4	2513.9	5142.3	7191.8	7995.4	8010.3	7237.3	5473.1	2915.7
32.5°	297.9	764.4	3100.2	6095.4	8335.8	9216.9	9282.6	8331.5	6219.5	3581.6
35°	338.2	868.4	3694.0	6933.1	9489.3	10703.3	10699.1	9569.9	7103.8	4176.4
37.5°	341.4	972.3	4231.5	7789.7	10950.4	12309.6	12444.3	11199.5	8172.5	4912.2
40°	334.0	1088.9	4912.2	9125.7	13583.0	15668.5	15787.3	14218.1	10316.3	6171.8
42.5°	342.5	1291.4	6017.0	11592.9	17954.5	20949.7	21178.7	19529.0	14257.3	8741.9
45°	387.0	1672.0	8331.5	15720.5	24185.6	27837.2	27760.8	25384.8	18843.0	12654.2
47.5°	534.4	2604.0	11762.5	19737.8	28168.0	31419.8	31485.5	28581.5	21519.1	15662.2
50°	821.7	3984.5	14645.4	21861.5	29880.3	33142.7	33081.2	29725.5	22535.9	17143.4
52.5°	1068.7	4983.2	16091.6	22606.9	30099.8	33994.1	33989.9	30026.6	22693.8	17270.6
55°	1130.2	5058.5	16103.3	22647.2	30591.7	35108.4	35248.4	30767.7	22898.5	16715.0
57.5°	1105.9	4478.5	15431.0	22880.4	31467.5	35970.4	35977.9	31485.5	23418.0	16374.7
58°	1084.6	4387.4	15295.3	23013.0	31618.1	36006.5	35988.5	31518.4	23841.0	16362.0
60°	965.9	3809.5	14766.3	23351.2	31394.3	35266.4	35097.8	30800.6	23778.5	16231.5
62.5°	759.1	2971.9	14245.7	22960.0	28996.0	31683.8	31753.8	27268.9	21677.0	15471.3
65°	604.3	2214.9	13160.0	20139.7	23877.1	26018.8	26279.6	22174.3	18093.4	13100.6
67.5°	481.4	1601.0	11039.4	16034.3	18893.9	21715.2	21905.0	18617.1	14017.7	10037.5
70°	391.2	1082.5	7620.1	11726.5	15583.7	18756.0	18767.7	15466.0	10462.7	6576.8
72.5°	346.7	749.6	4423.4	8552.1	12636.2	15283.7	14975.1	12550.3	8041.0	3895.4
75°	300.1	497.3	2169.3	5228.2	7661.5	7713.4	7831.1	5821.9	4019.5	1852.3
77.5°	247.0	353.1	854.6	1428.2	2297.6	2941.2	3050.4	2311.4	1337.0	455.9
80°	169.6	167.5	230.1	437.9	657.4	823.8	768.7	594.8	349.9	174.9
82.5°	73.2	79.5	103.9	125.1	101.8	98.6	94.4	60.4	46.7	36.0
85°	23.3	21.2	22.3	22.3	18.0	13.8	13.8	6.4	0.0	0.0
87.5°	11.7	9.5	9.5	8.5	5.3	2.1	1.1	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: P1049946

CATALOG NUMBER: GALN-SA5B-930-U-LBC

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
61.5	0°	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
57.3	2.5°	56.2	56.2	54.1	52.0	50.9	48.8	47.7	46.7	45.6	44.5
61.5	5°	59.4	58.3	55.1	52.0	48.8	45.6	43.5	41.4	39.2	38.2
67.9	7.5°	64.7	62.6	56.2	50.9	46.7	42.4	40.3	37.1	35.0	31.8
75.3	10°	71.0	66.8	58.3	52.0	45.6	40.3	37.1	33.9	30.7	26.5
85.9	12.5°	79.5	72.1	61.5	50.9	43.5	37.1	33.9	29.7	26.5	23.3
99.7	15°	86.9	77.4	62.6	50.9	41.4	33.9	29.7	25.4	22.3	18.0
125.1	17.5°	97.5	81.6	61.5	47.7	38.2	29.7	25.4	22.3	17.0	10.6
185.5	20°	115.6	84.8	59.4	44.5	32.9	24.4	19.1	14.8	7.4	2.1
278.8	22.5°	144.2	93.3	57.3	40.3	28.6	19.1	12.7	5.3	0.0	0.0
424.1	25°	199.3	108.1	57.3	38.2	25.4	13.8	4.2	0.0	0.0	0.0
602.2	27.5°	265.1	128.3	57.3	32.9	20.1	7.4	0.0	0.0	0.0	0.0
820.6	30°	331.9	150.6	57.3	28.6	15.9	1.1	0.0	0.0	0.0	0.0
1010.4	32.5°	395.5	169.6	58.3	24.4	10.6	0.0	0.0	0.0	0.0	0.0
1273.4	35°	460.2	172.8	57.3	21.2	6.4	0.0	0.0	0.0	0.0	0.0
1595.7	37.5°	542.9	166.5	54.1	19.1	3.2	0.0	0.0	0.0	0.0	0.0
2099.3	40°	668.0	169.6	50.9	18.0	1.1	0.0	0.0	0.0	0.0	0.0
2997.4	42.5°	899.1	183.4	46.7	18.0	0.0	0.0	0.0	0.0	0.0	0.0
4774.4	45°	1554.3	246.0	42.4	19.1	0.0	0.0	0.0	0.0	0.0	0.0
7167.4	47.5°	2571.1	442.1	41.4	19.1	0.0	0.0	0.0	0.0	0.0	0.0
8633.7	50°	3281.5	556.6	43.5	20.1	0.0	0.0	0.0	0.0	0.0	0.0
8817.1	52.5°	3276.2	620.3	45.6	21.2	4.2	0.0	0.0	0.0	0.0	0.0
8126.9	55°	2912.5	631.9	48.8	23.3	13.8	0.0	0.0	0.0	0.0	0.0
6983.9	57.5°	2434.4	576.8	56.2	28.6	25.4	0.0	0.0	0.0	0.0	0.0
6804.8	58°	2349.5	551.3	58.3	29.7	27.6	0.0	0.0	0.0	0.0	0.0
5902.5	60°	1925.4	449.6	74.2	37.1	37.1	0.0	0.0	0.0	0.0	0.0
4839.0	62.5°	1329.6	392.3	84.8	47.7	38.2	0.0	0.0	0.0	0.0	0.0
3567.8	65°	940.5	354.1	92.2	50.9	30.7	0.0	0.0	0.0	0.0	0.0
2535.1	67.5°	703.0	326.6	101.8	52.0	15.9	0.0	0.0	0.0	0.0	0.0
1590.4	70°	538.6	306.4	125.1	55.1	4.2	0.0	0.0	0.0	0.0	0.0
947.9	72.5°	438.9	283.1	151.6	57.3	0.0	0.0	0.0	0.0	0.0	0.0
568.3	75°	363.7	255.5	146.3	62.6	0.0	0.0	0.0	0.0	0.0	0.0
303.2	77.5°	241.7	198.3	133.6	62.6	0.0	0.0	0.0	0.0	0.0	0.0
108.1	80°	84.8	78.5	103.9	55.1	0.0	0.0	0.0	0.0	0.0	0.0
22.3	82.5°	12.7	10.6	14.8	19.1	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

REPORT NUMBER: P1049946

CATALOG NUMBER: GALN-SA5B-930-U-LBC

CANDELA DISTRIBUTION (continued):

180°		185°	195°	205°	215°	225°	235°	245°	255°	265°	270°
61.5	0°	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
43.5	2.5°	43.5	43.5	42.4	43.5	43.5	45.6	50.9	58.3	66.8	70.0
37.1	5°	36.0	35.0	33.9	33.9	33.9	37.1	41.4	49.8	59.4	63.6
30.7	7.5°	29.7	28.6	27.6	26.5	26.5	28.6	33.9	43.5	53.0	57.3
25.4	10°	24.4	22.3	21.2	20.1	20.1	22.3	27.6	37.1	47.7	52.0
21.2	12.5°	20.1	17.0	14.8	13.8	12.7	15.9	21.2	29.7	41.4	46.7
15.9	15°	13.8	10.6	7.4	6.4	5.3	8.5	13.8	23.3	35.0	41.4
8.5	17.5°	7.4	3.2	1.1	0.0	0.0	2.1	6.4	17.0	28.6	33.9
0.0	20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.5	21.2	26.5
0.0	22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	12.7	18.0
0.0	25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.3	9.5
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1
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	3.2
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	8.5
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: P1049946

CATALOG NUMBER: GALN-SA5B-930-U-LBC

CANDELA DISTRIBUTION (continued):

275°		285°	295°	305°	315°	316°	325°	335°	345°	355°	360°
61.5	0°	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
73.2	2.5°	75.3	74.2	72.1	70.0	70.0	70.0	73.2	76.3	79.5	79.5
65.7	5°	70.0	70.0	68.9	66.8	66.8	67.9	72.1	77.4	81.6	82.7
60.4	7.5°	64.7	66.8	64.7	63.6	64.7	65.7	70.0	76.3	82.7	84.8
56.2	10°	61.5	62.6	62.6	61.5	61.5	63.6	67.9	76.3	84.8	88.0
50.9	12.5°	57.3	59.4	58.3	58.3	58.3	60.4	65.7	75.3	86.9	91.2
45.6	15°	53.0	56.2	56.2	55.1	55.1	56.2	63.6	74.2	90.1	97.5
39.2	17.5°	48.8	52.0	53.0	50.9	50.9	53.0	60.4	74.2	92.2	105.0
31.8	20°	40.3	45.6	48.8	45.6	45.6	47.7	55.1	70.0	93.3	112.4
23.3	22.5°	31.8	37.1	41.4	40.3	40.3	41.4	50.9	66.8	94.4	125.1
13.8	25°	23.3	28.6	31.8	33.9	33.9	37.1	46.7	64.7	98.6	151.6
6.4	27.5°	13.8	20.1	24.4	26.5	27.6	31.8	43.5	62.6	106.0	189.8
0.0	30°	6.4	11.7	17.0	21.2	21.2	28.6	40.3	60.4	115.6	244.9
0.0	32.5°	0.0	5.3	8.5	14.8	15.9	23.3	37.1	58.3	129.4	297.9
0.0	35°	0.0	0.0	4.2	11.7	11.7	19.1	33.9	56.2	150.6	338.2
0.0	37.5°	0.0	0.0	0.0	8.5	9.5	17.0	32.9	55.1	154.8	341.4
0.0	40°	0.0	0.0	0.0	6.4	7.4	15.9	32.9	56.2	140.0	334.0
0.0	42.5°	0.0	0.0	0.0	4.2	5.3	15.9	32.9	58.3	126.2	342.5
0.0	45°	0.0	0.0	0.0	3.2	4.2	17.0	31.8	57.3	118.7	387.0
0.0	47.5°	0.0	0.0	0.0	4.2	6.4	17.0	30.7	56.2	119.8	534.4
0.0	50°	0.0	0.0	0.0	5.3	7.4	17.0	31.8	54.1	131.5	821.7
0.0	52.5°	0.0	0.0	0.0	4.2	6.4	19.1	35.0	53.0	143.1	1068.7
0.0	55°	0.0	0.0	0.0	1.1	3.2	24.4	38.2	53.0	161.2	1130.2
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	27.6	43.5	56.2	190.8	1105.9
0.0	58°	0.0	0.0	0.0	0.0	0.0	27.6	44.5	56.2	193.0	1084.6
0.0	60°	0.0	0.0	0.0	0.0	0.0	27.6	48.8	62.6	207.8	965.9
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	23.3	58.3	78.5	216.3	759.1
0.0	65°	0.0	0.0	0.0	0.0	0.0	19.1	68.9	85.9	222.7	604.3
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	18.0	71.0	86.9	225.8	481.4
0.0	70°	0.0	0.0	0.0	0.0	0.0	19.1	70.0	93.3	236.4	391.2
0.0	72.5°	0.0	0.0	0.0	0.0	0.0	21.2	63.6	102.8	236.4	346.7
0.0	75°	0.0	0.0	0.0	0.0	0.0	22.3	59.4	115.6	215.2	300.1
0.0	77.5°	0.0	0.0	0.0	0.0	0.0	21.2	58.3	134.7	191.9	247.0
0.0	80°	2.1	3.2	3.2	2.1	2.1	18.0	57.3	136.8	163.3	169.6
1.1	82.5°	6.4	8.5	7.4	5.3	5.3	15.9	50.9	114.5	84.8	73.2
6.4	85°	11.7	13.8	13.8	11.7	11.7	14.8	31.8	41.4	28.6	23.3
11.7	87.5°	15.9	18.0	18.0	15.9	15.9	14.8	13.8	12.7	11.7	11.7
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

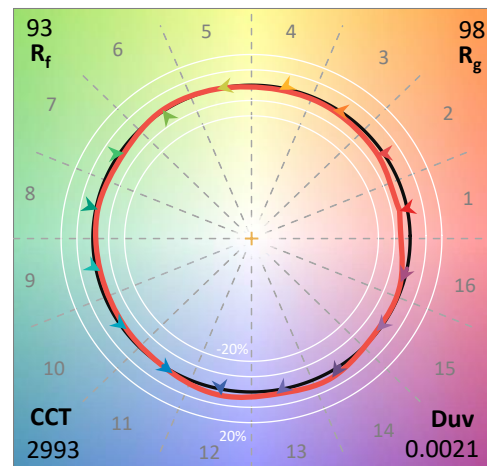
Test Information

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

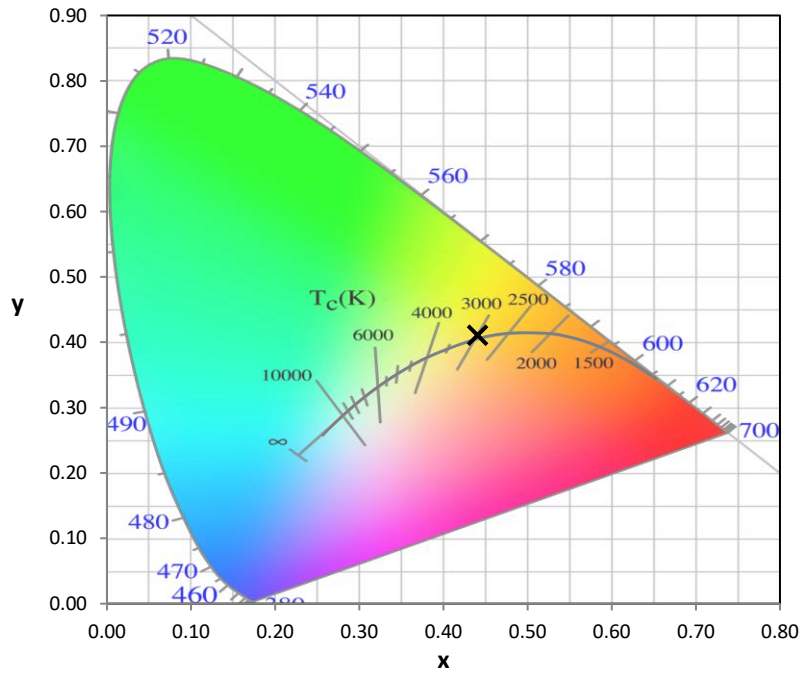
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-14

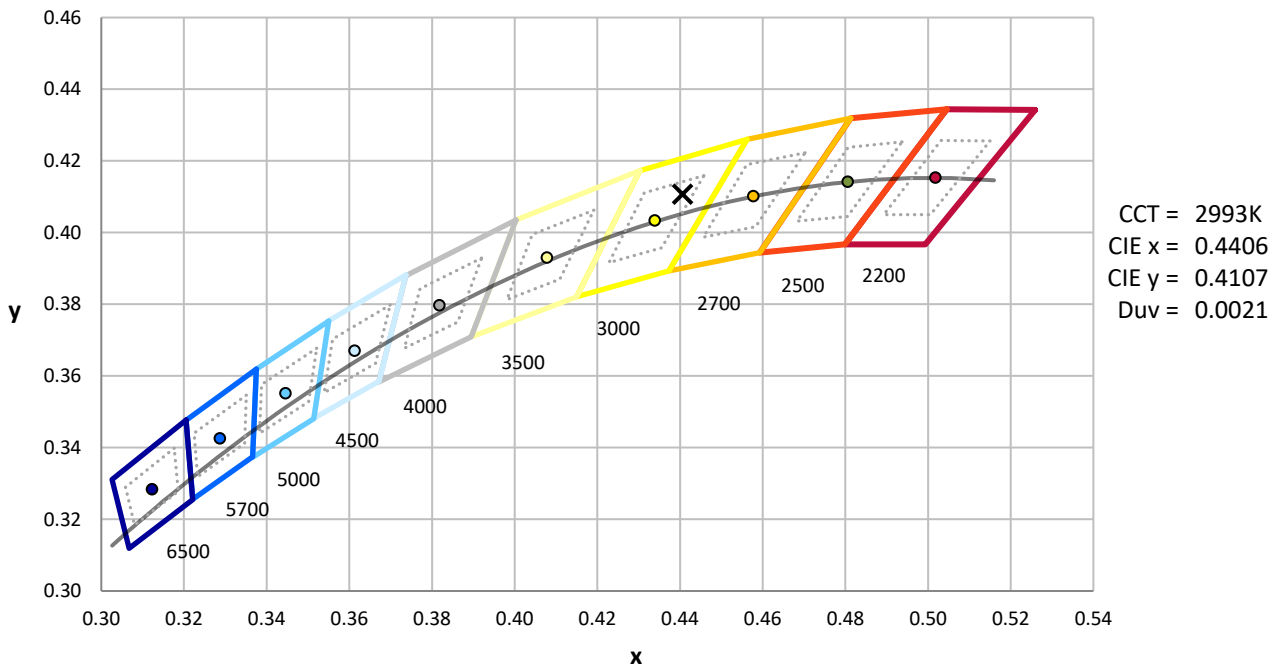
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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



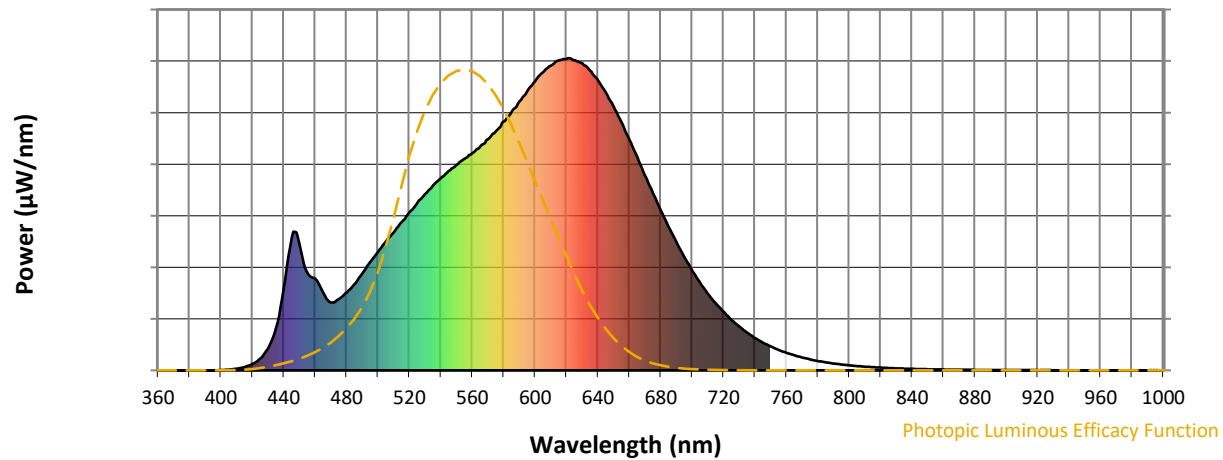
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-14

Photopic Flux vs. Wavelength

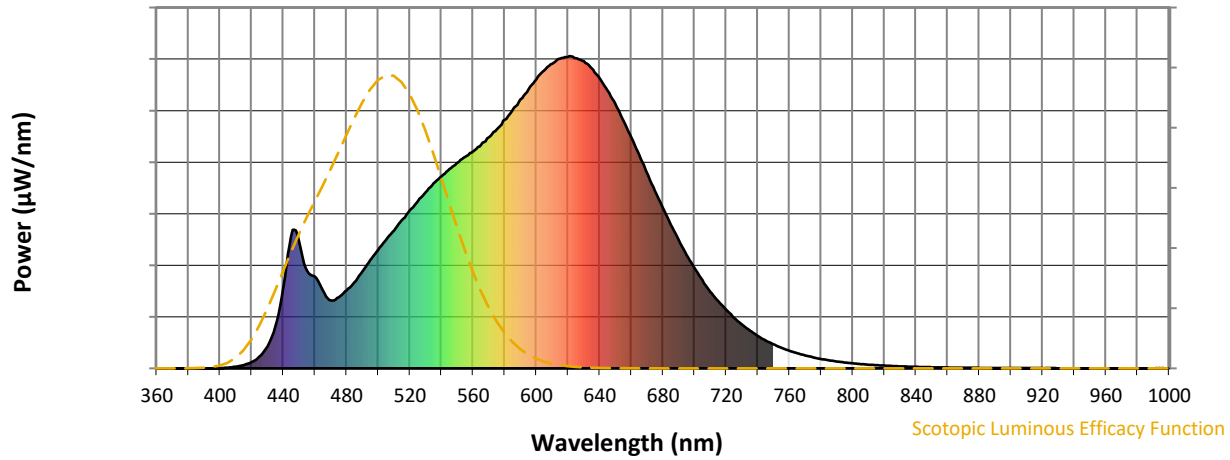


Photopic Lumens: NR

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



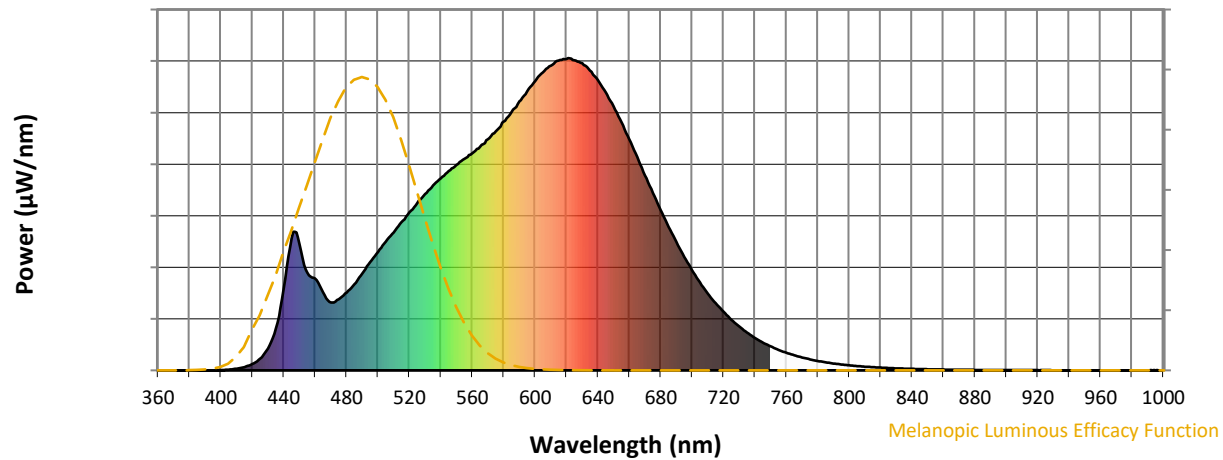
Scotopic Lumens: NR

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

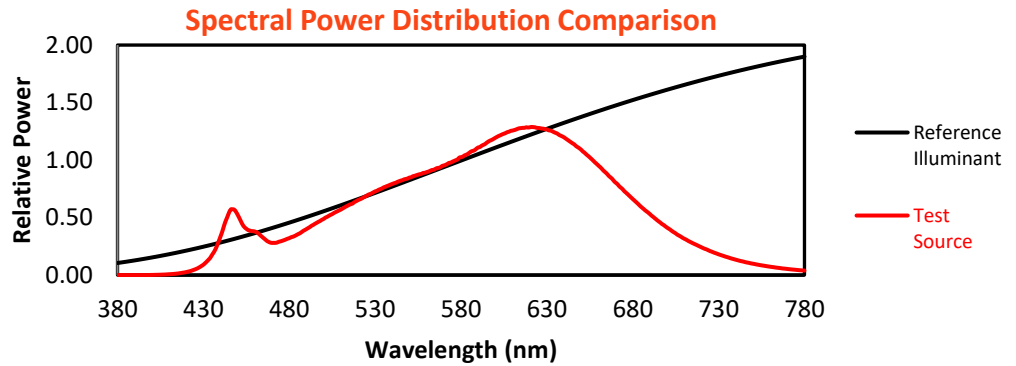
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	310	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

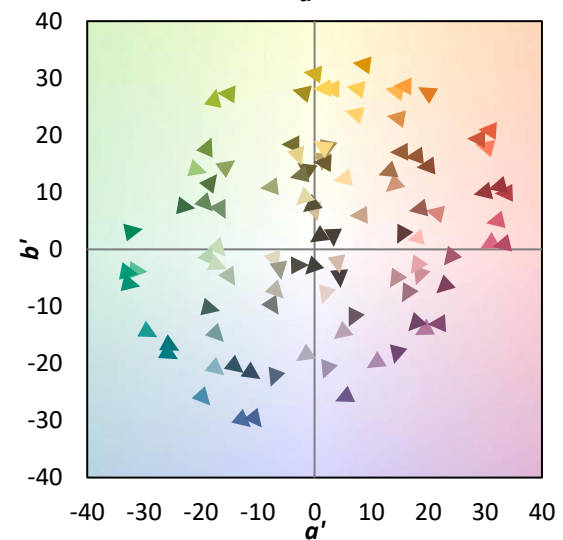
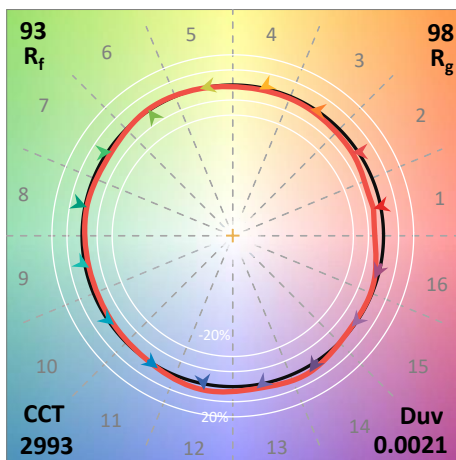
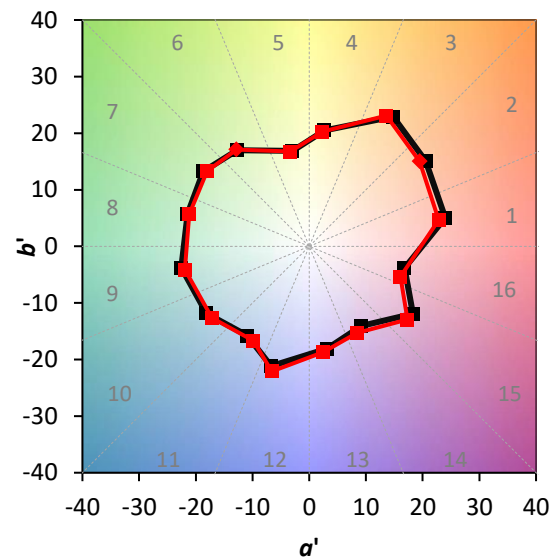
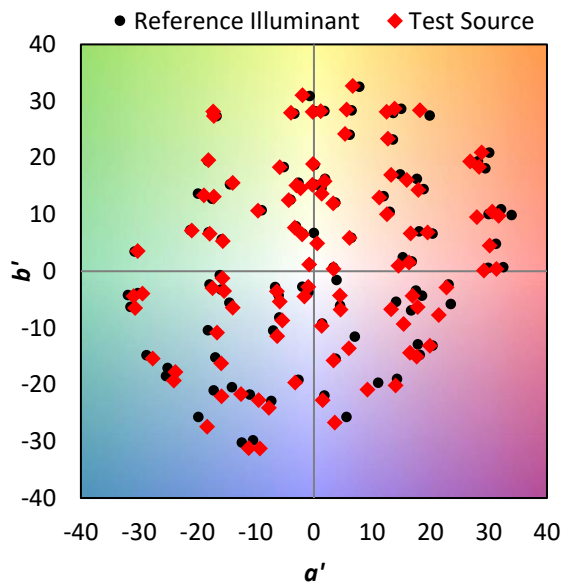
TM-30-18

Summary

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

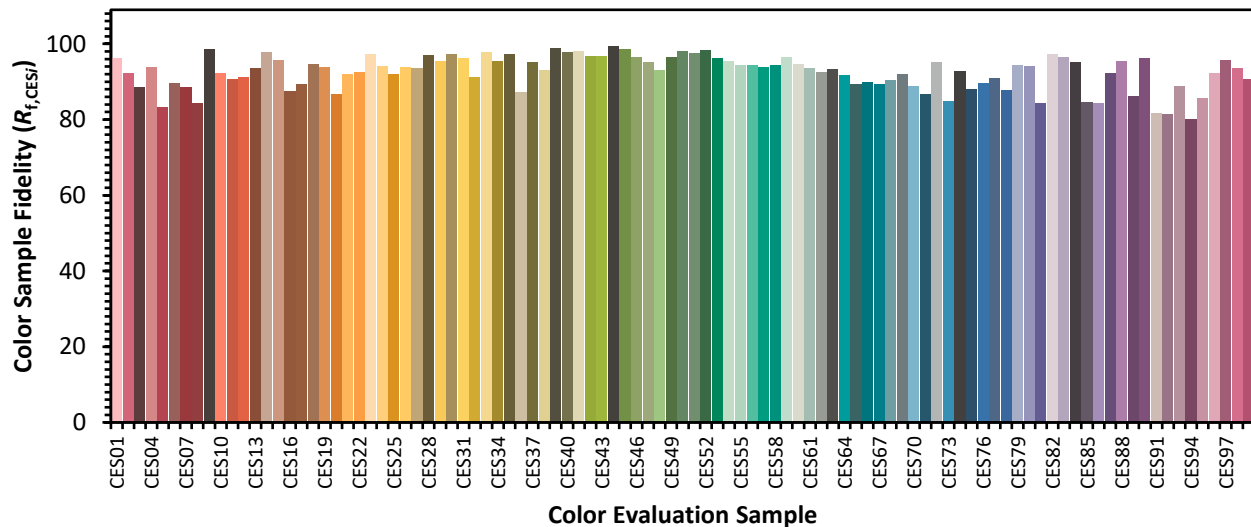


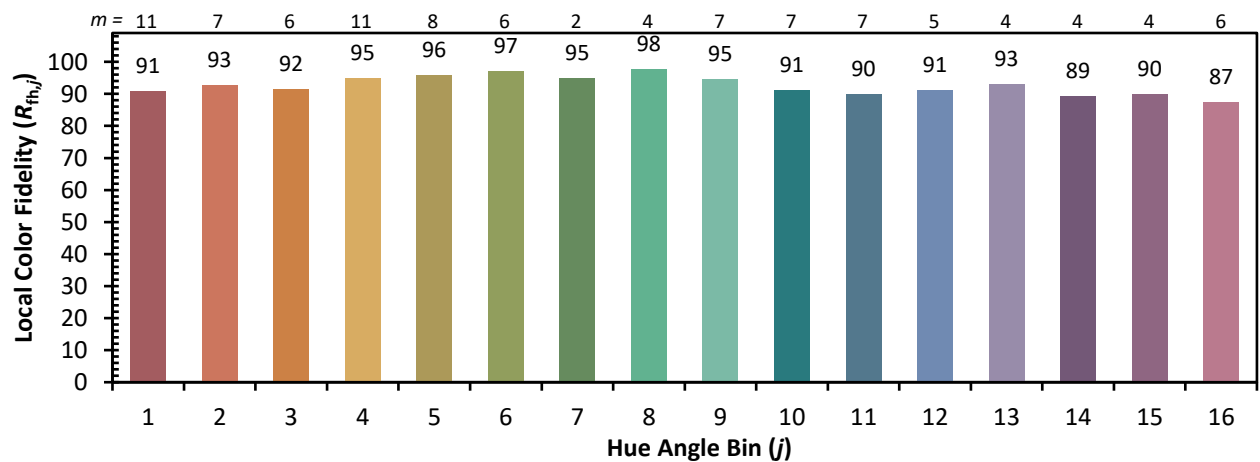
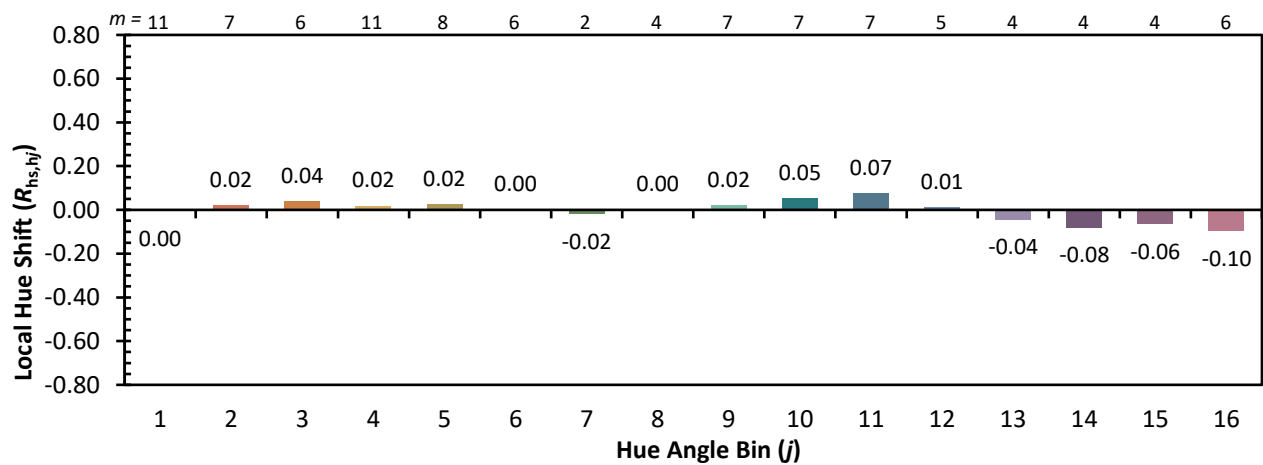
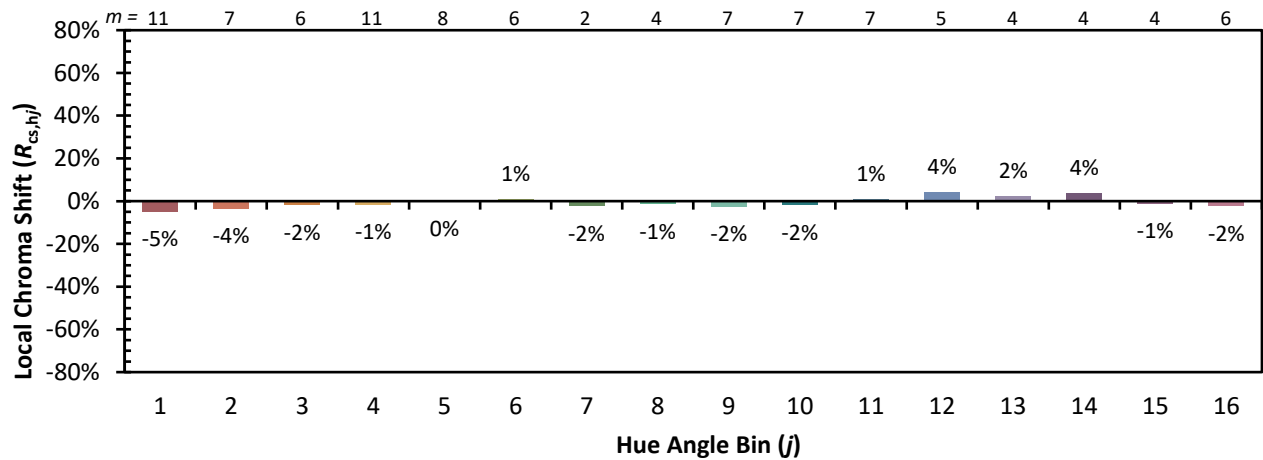
Color Vector Graphics



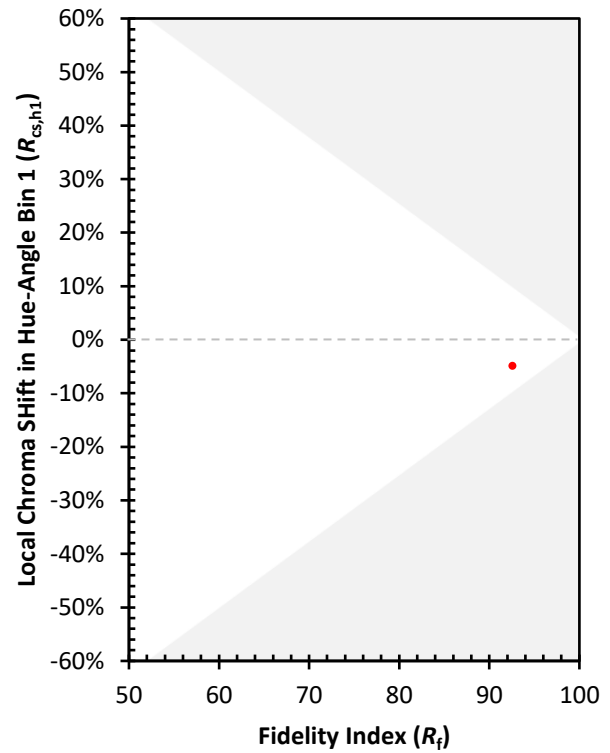
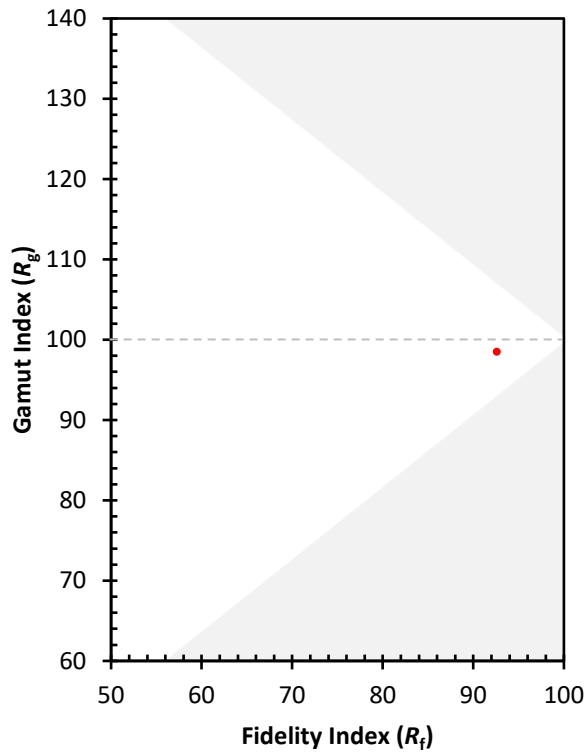
Individual Sample Fidelity Index ($R_{f,i}$)

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)