

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: P1049625

Luminaire Tested: **GALN-SA6A-735-U-LBC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1049625
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA6A-735-U-LBC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 615mA 6xLight Square PACKAGE
70CRI 3500K FIXTURE w/ LEFT CORNER BACKLIGHT CONTROL
Light Source: (84) 3500K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19127.9 lumens
Efficiency: N/A
Efficacy: 117.4 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): 162.9
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

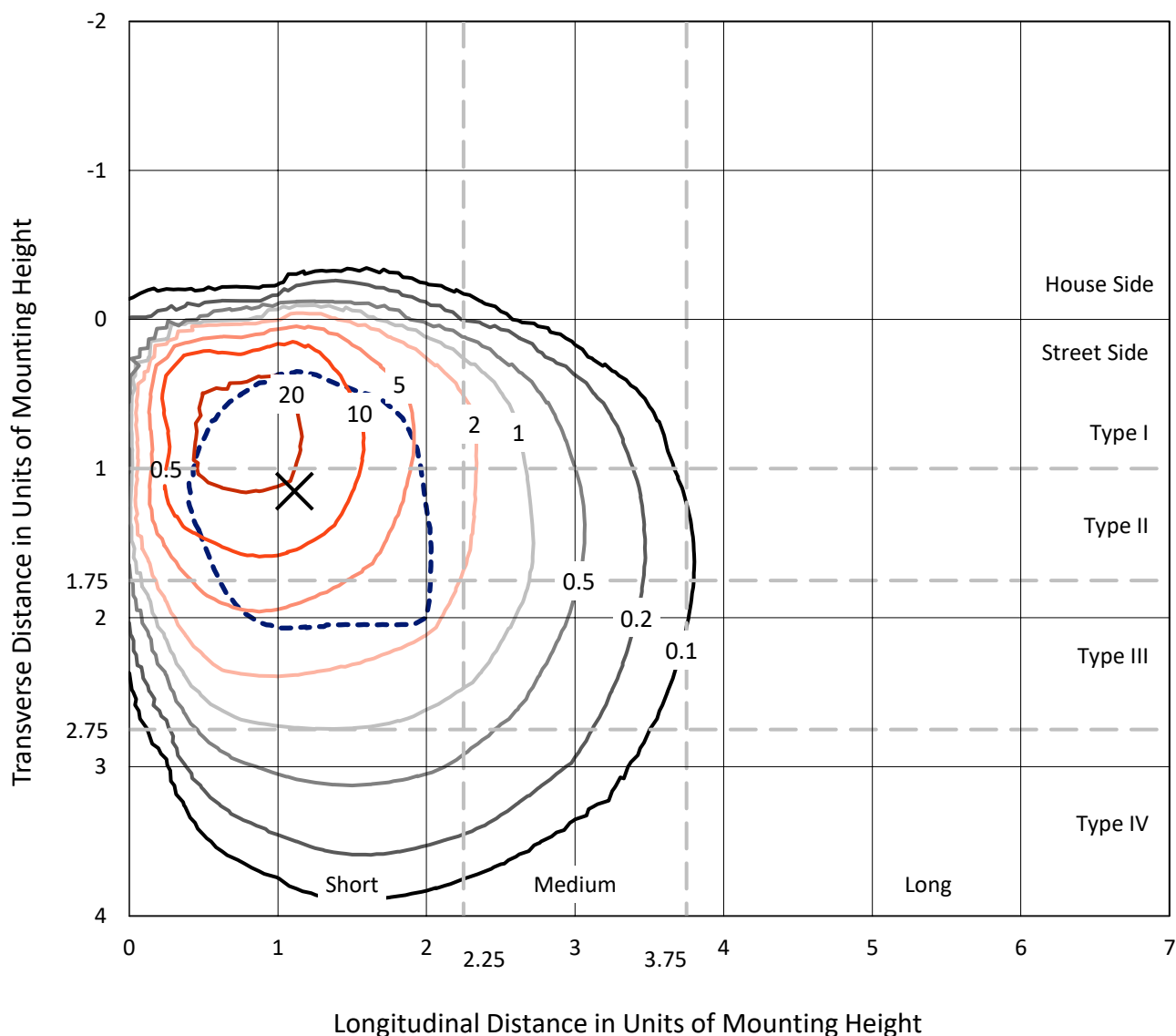
REPORT NUMBER: P1049625

CATALOG NUMBER: GALN-SA6A-735-U-LBC

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

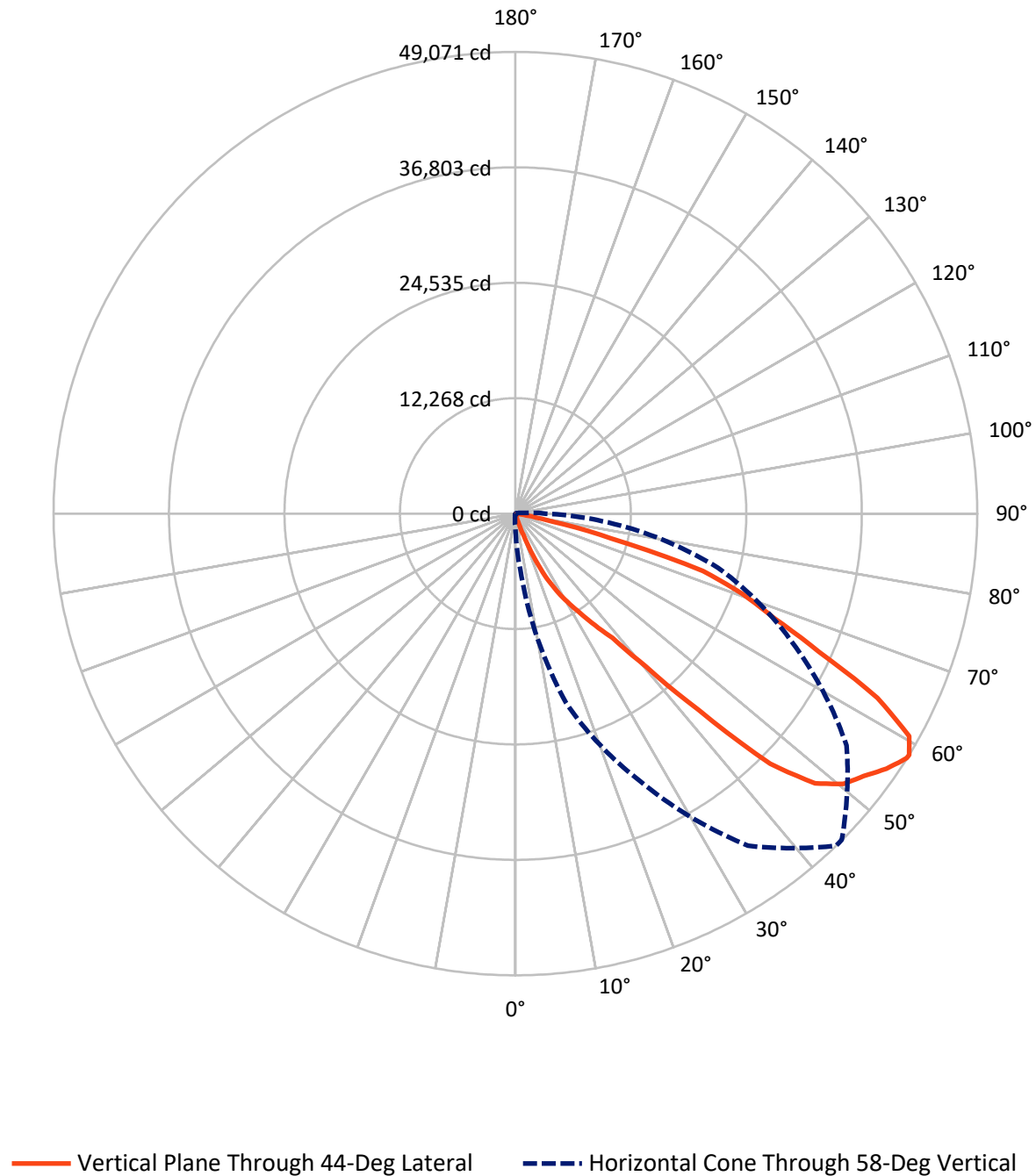


Based on 20 foot mounting height. Maximum calculated value = 33.3 fc

Type III - Short - N/A

REPORT NUMBER: P1049625
CATALOG NUMBER: GALN-SA6A-735-U-LBC

Luminous Intensity Polar Plot



REPORT NUMBER: P1049625

CATALOG NUMBER: GALN-SA6A-735-U-LBC

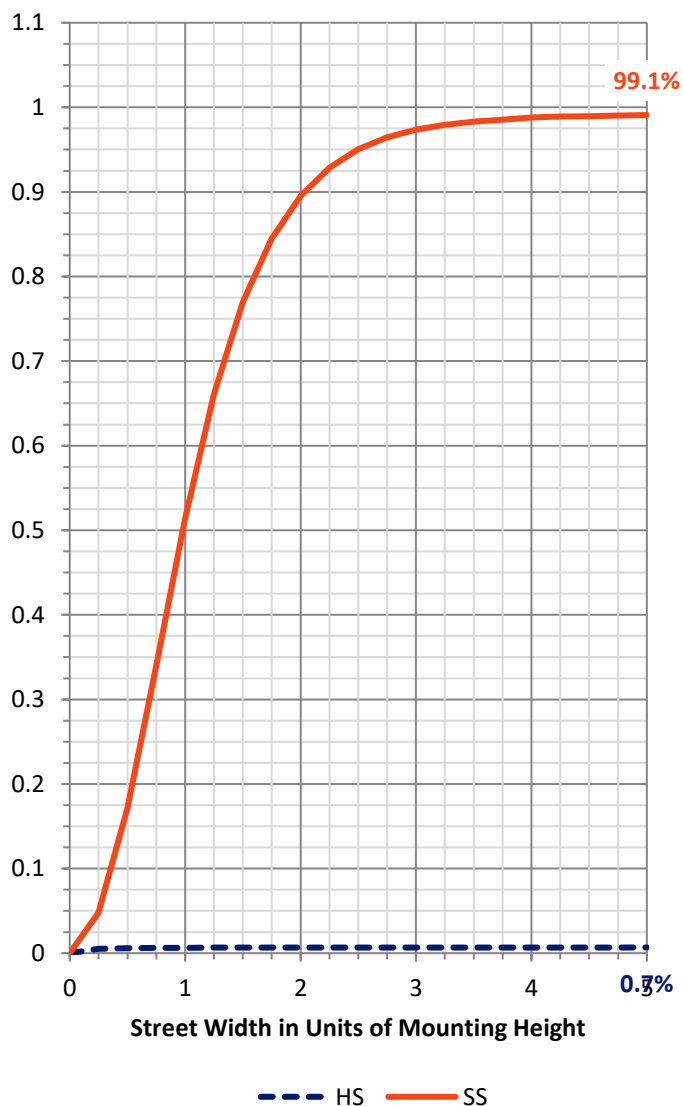
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	130.6	0.0	130.6
	% Fixture	0.7	0.0	0.7
Street Side	Lumens	18997.3	0.0	18997.3
	% Fixture	99.3	0.0	99.3
Total	Lumens	19127.9	0.0	19127.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.5	0.0
10°-20°	41.9	0.2
20°-30°	453.1	2.4
30°-40°	1340.1	7.0
40°-50°	3994.2	20.9
50°-60°	6337.8	33.1
60°-70°	5286.5	27.6
70°-80°	1630.4	8.5
80°-90°	36.2	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°	19127.9	100.0
0°-180°	19127.9	100.0



REPORT NUMBER: P1049625

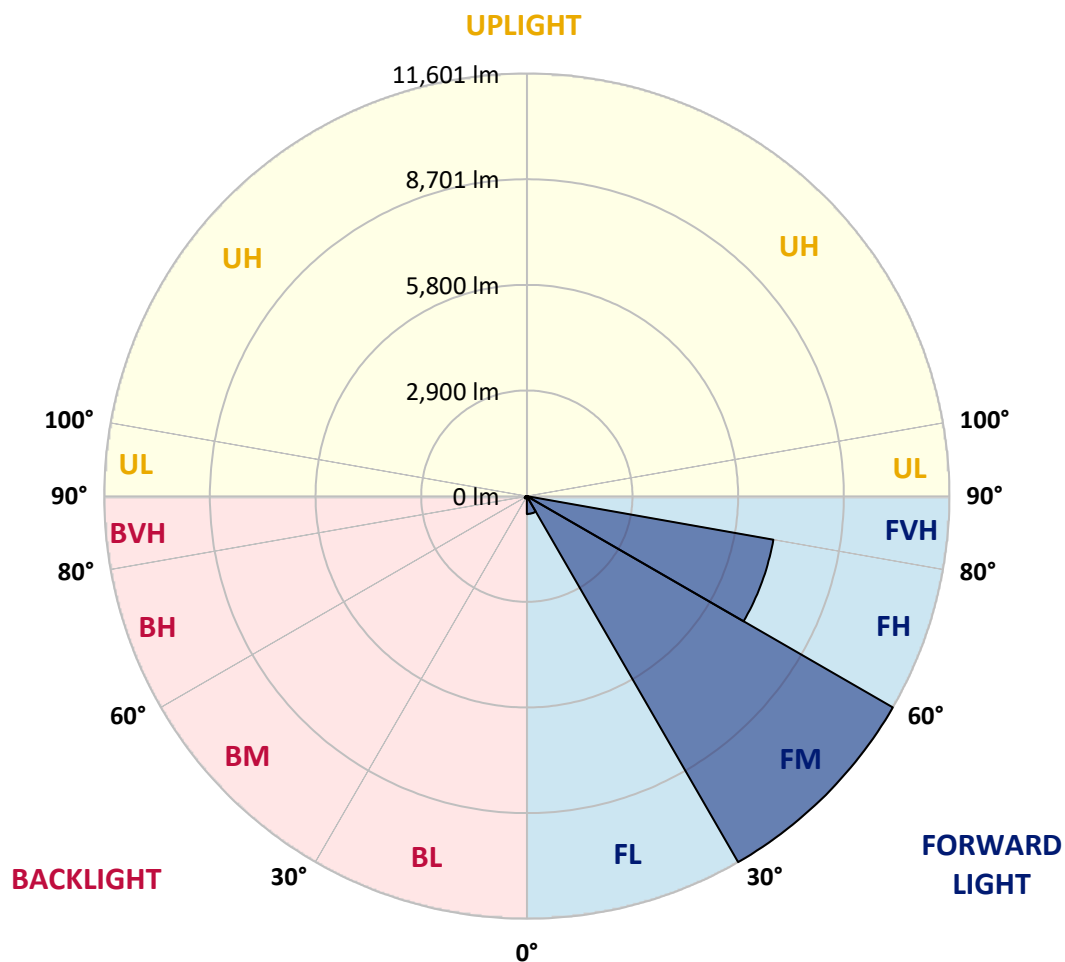
CATALOG NUMBER: GALN-SA6A-735-U-LBC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	489.8	2.6			
FM	(30°-60°)	11600.7	60.6			
FH	(60°-80°)	6872.4	35.9			G3/7500
FVH	(80°-90°)	34.5	0.2			G1/100
BL	(0°-30°)	12.8	0.1	B0/110		
BM	(30°-60°)	71.5	0.4	B0/220		
BH	(60°-80°)	44.6	0.2	B0/110		G0/110
BVH	(80°-90°)	1.8	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G3

Type III Short



REPORT NUMBER: P1049625

CATALOG NUMBER: GALN-SA6A-735-U-LBC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°
0°	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
2.5°	108.4	108.4	104.0	98.3	92.5	86.7	85.3	82.4	80.9	79.5
5°	112.7	112.7	111.3	106.9	101.1	96.8	96.8	92.5	89.6	86.7
7.5°	115.6	117.0	119.9	118.5	115.6	111.3	111.3	108.4	104.0	96.8
10°	119.9	124.3	130.0	132.9	134.4	134.4	132.9	131.5	124.3	114.2
12.5°	124.3	132.9	147.4	161.8	170.5	182.1	180.6	177.7	158.9	137.3
15°	132.9	145.9	176.3	218.2	283.2	323.7	339.6	325.1	263.0	185.0
17.5°	143.1	164.7	255.8	456.6	748.5	887.2	971.0	903.1	598.2	351.1
20°	153.2	200.8	475.4	1183.4	1942.0	2395.7	2521.4	2324.9	1492.6	669.0
22.5°	170.5	281.8	963.8	2446.3	4184.6	4865.1	4993.7	4365.2	2819.1	1320.7
25°	206.6	408.9	1661.7	3986.6	6245.1	7393.8	7340.3	6516.7	4573.3	2109.6
27.5°	258.6	595.3	2512.8	5664.2	8218.9	9231.8	9353.2	8334.5	6096.2	3102.3
30°	333.8	825.1	3426.0	7008.0	9801.1	10896.4	10916.6	9863.2	7458.8	3973.6
32.5°	406.0	1041.8	4225.0	8307.0	11360.2	12561.0	12650.5	11354.4	8476.1	4881.0
35°	460.9	1183.4	5034.2	9448.5	12932.3	14586.8	14581.0	13042.1	9681.2	5691.7
37.5°	465.3	1325.0	5766.8	10616.0	14923.4	16775.9	16959.4	15263.0	11137.7	6694.5
40°	455.2	1484.0	6694.5	12436.7	18511.3	21353.5	21515.3	19376.8	14059.4	8411.1
42.5°	466.7	1759.9	8200.1	15799.1	24468.8	28550.8	28862.9	26614.5	19430.2	11913.6
45°	527.4	2278.7	11354.4	21424.3	32960.8	37937.2	37833.1	34595.0	25679.7	17245.5
47.5°	728.3	3548.8	16030.3	26899.2	38388.0	42819.7	42909.2	38951.5	29326.7	21344.8
50°	1119.8	5430.1	19959.1	29793.4	40721.6	45167.7	45083.9	40510.6	30712.4	23363.4
52.5°	1456.5	6791.3	21930.0	30809.2	41020.7	46328.0	46322.2	40921.0	30927.7	23536.8
55°	1540.3	6893.9	21945.9	30864.1	41691.1	47846.6	48037.4	41931.0	31206.6	22779.6
57.5°	1507.1	6103.5	21029.8	31182.0	42884.7	49021.4	49031.5	42909.2	31914.6	22315.8
58°	1478.2	5979.2	20844.9	31362.6	43089.9	49070.5	49045.9	42954.0	32491.2	22298.5
60°	1316.3	5191.7	20123.8	31823.6	42785.0	48061.9	47832.2	41975.8	32405.9	22120.7
62.5°	1034.6	4050.2	19414.4	31290.4	39516.5	43179.4	43274.8	37162.7	29542.0	21084.7
65°	823.6	3018.5	17934.7	27446.8	32540.3	35459.1	35814.5	30219.7	24658.1	17853.8
67.5°	656.0	2181.9	15044.8	21852.0	25749.0	29594.0	29852.7	25371.9	19103.7	13679.3
70°	533.2	1475.3	10384.9	15981.1	21237.9	25561.2	25577.1	21077.5	14258.8	8963.0
72.5°	472.5	1021.6	6028.3	11655.0	17220.9	20829.0	20408.5	17103.9	10958.5	5308.7
75°	408.9	677.7	2956.4	7125.0	10441.2	10512.0	10672.4	7934.2	5477.8	2524.3
77.5°	336.7	481.2	1164.6	1946.3	3131.2	4008.3	4157.1	3150.0	1822.1	621.3
80°	231.2	228.3	313.6	596.8	895.9	1122.7	1047.6	810.6	476.8	238.4
82.5°	99.7	108.4	141.6	170.5	138.7	134.4	128.6	82.4	63.6	49.1
85°	31.8	28.9	30.3	30.3	24.6	18.8	18.8	8.7	0.0	0.0
87.5°	15.9	13.0	13.0	11.6	7.2	2.9	1.4	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: P1049625

CATALOG NUMBER: GALN-SA6A-735-U-LBC

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
83.8	0°	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
78.0	2.5°	76.6	76.6	73.7	70.8	69.4	66.5	65.0	63.6	62.1	60.7
83.8	5°	80.9	79.5	75.1	70.8	66.5	62.1	59.2	56.4	53.5	52.0
92.5	7.5°	88.1	85.3	76.6	69.4	63.6	57.8	54.9	50.6	47.7	43.3
102.6	10°	96.8	91.0	79.5	70.8	62.1	54.9	50.6	46.2	41.9	36.1
117.0	12.5°	108.4	98.3	83.8	69.4	59.2	50.6	46.2	40.5	36.1	31.8
135.8	15°	118.5	105.5	85.3	69.4	56.4	46.2	40.5	34.7	30.3	24.6
170.5	17.5°	132.9	111.3	83.8	65.0	52.0	40.5	34.7	30.3	23.1	14.4
252.9	20°	157.5	115.6	80.9	60.7	44.8	33.2	26.0	20.2	10.1	2.9
380.0	22.5°	196.5	127.2	78.0	54.9	39.0	26.0	17.3	7.2	0.0	0.0
578.0	25°	271.7	147.4	78.0	52.0	34.7	18.8	5.8	0.0	0.0	0.0
820.7	27.5°	361.2	174.8	78.0	44.8	27.5	10.1	0.0	0.0	0.0	0.0
1118.4	30°	452.3	205.2	78.0	39.0	21.7	1.4	0.0	0.0	0.0	0.0
1377.0	32.5°	539.0	231.2	79.5	33.2	14.4	0.0	0.0	0.0	0.0	0.0
1735.4	35°	627.1	235.5	78.0	28.9	8.7	0.0	0.0	0.0	0.0	0.0
2174.7	37.5°	739.8	226.9	73.7	26.0	4.3	0.0	0.0	0.0	0.0	0.0
2861.0	40°	910.3	231.2	69.4	24.6	1.4	0.0	0.0	0.0	0.0	0.0
4084.9	42.5°	1225.3	250.0	63.6	24.6	0.0	0.0	0.0	0.0	0.0	0.0
6506.6	45°	2118.3	335.2	57.8	26.0	0.0	0.0	0.0	0.0	0.0	0.0
9767.9	47.5°	3504.0	602.5	56.4	26.0	0.0	0.0	0.0	0.0	0.0	0.0
11766.2	50°	4472.1	758.6	59.2	27.5	0.0	0.0	0.0	0.0	0.0	0.0
12016.2	52.5°	4464.9	845.3	62.1	28.9	5.8	0.0	0.0	0.0	0.0	0.0
11075.5	55°	3969.3	861.2	66.5	31.8	18.8	0.0	0.0	0.0	0.0	0.0
9517.9	57.5°	3317.6	786.1	76.6	39.0	34.7	0.0	0.0	0.0	0.0	0.0
9273.7	58°	3202.0	751.4	79.5	40.5	37.6	0.0	0.0	0.0	0.0	0.0
8044.0	60°	2624.0	612.7	101.1	50.6	50.6	0.0	0.0	0.0	0.0	0.0
6594.8	62.5°	1812.0	534.6	115.6	65.0	52.0	0.0	0.0	0.0	0.0	0.0
4862.3	65°	1281.7	482.6	125.7	69.4	41.9	0.0	0.0	0.0	0.0	0.0
3454.9	67.5°	958.0	445.0	138.7	70.8	21.7	0.0	0.0	0.0	0.0	0.0
2167.4	70°	734.0	417.6	170.5	75.1	5.8	0.0	0.0	0.0	0.0	0.0
1291.8	72.5°	598.2	385.8	206.6	78.0	0.0	0.0	0.0	0.0	0.0	0.0
774.5	75°	495.6	348.2	199.4	85.3	0.0	0.0	0.0	0.0	0.0	0.0
413.3	77.5°	329.4	270.2	182.1	85.3	0.0	0.0	0.0	0.0	0.0	0.0
147.4	80°	115.6	106.9	141.6	75.1	0.0	0.0	0.0	0.0	0.0	0.0
30.3	82.5°	17.3	14.4	20.2	26.0	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

REPORT NUMBER: P1049625

CATALOG NUMBER: GALN-SA6A-735-U-LBC

CANDELA DISTRIBUTION (continued):

180°		185°	195°	205°	215°	225°	235°	245°	255°	265°	270°
83.8	0°	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
59.2	2.5°	59.2	59.2	57.8	59.2	59.2	62.1	69.4	79.5	91.0	95.4
50.6	5°	49.1	47.7	46.2	46.2	46.2	50.6	56.4	67.9	80.9	86.7
41.9	7.5°	40.5	39.0	37.6	36.1	36.1	39.0	46.2	59.2	72.2	78.0
34.7	10°	33.2	30.3	28.9	27.5	27.5	30.3	37.6	50.6	65.0	70.8
28.9	12.5°	27.5	23.1	20.2	18.8	17.3	21.7	28.9	40.5	56.4	63.6
21.7	15°	18.8	14.4	10.1	8.7	7.2	11.6	18.8	31.8	47.7	56.4
11.6	17.5°	10.1	4.3	1.4	0.0	0.0	2.9	8.7	23.1	39.0	46.2
0.0	20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.6	28.9	36.1
0.0	22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	17.3	24.6
0.0	25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.2	13.0
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
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	4.3
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	11.6
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: P1049625

CATALOG NUMBER: GALN-SA6A-735-U-LBC

CANDELA DISTRIBUTION (continued):

275°		285°	295°	305°	315°	316°	325°	335°	345°	355°	360°
83.8	0°	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
99.7	2.5°	102.6	101.1	98.3	95.4	95.4	95.4	99.7	104.0	108.4	108.4
89.6	5°	95.4	95.4	93.9	91.0	91.0	92.5	98.3	105.5	111.3	112.7
82.4	7.5°	88.1	91.0	88.1	86.7	88.1	89.6	95.4	104.0	112.7	115.6
76.6	10°	83.8	85.3	85.3	83.8	83.8	86.7	92.5	104.0	115.6	119.9
69.4	12.5°	78.0	80.9	79.5	79.5	79.5	82.4	89.6	102.6	118.5	124.3
62.1	15°	72.2	76.6	76.6	75.1	75.1	76.6	86.7	101.1	122.8	132.9
53.5	17.5°	66.5	70.8	72.2	69.4	69.4	72.2	82.4	101.1	125.7	143.1
43.3	20°	54.9	62.1	66.5	62.1	62.1	65.0	75.1	95.4	127.2	153.2
31.8	22.5°	43.3	50.6	56.4	54.9	54.9	56.4	69.4	91.0	128.6	170.5
18.8	25°	31.8	39.0	43.3	46.2	46.2	50.6	63.6	88.1	134.4	206.6
8.7	27.5°	18.8	27.5	33.2	36.1	37.6	43.3	59.2	85.3	144.5	258.6
0.0	30°	8.7	15.9	23.1	28.9	28.9	39.0	54.9	82.4	157.5	333.8
0.0	32.5°	0.0	7.2	11.6	20.2	21.7	31.8	50.6	79.5	176.3	406.0
0.0	35°	0.0	0.0	5.8	15.9	15.9	26.0	46.2	76.6	205.2	460.9
0.0	37.5°	0.0	0.0	0.0	11.6	13.0	23.1	44.8	75.1	211.0	465.3
0.0	40°	0.0	0.0	0.0	8.7	10.1	21.7	44.8	76.6	190.7	455.2
0.0	42.5°	0.0	0.0	0.0	5.8	7.2	21.7	44.8	79.5	171.9	466.7
0.0	45°	0.0	0.0	0.0	4.3	5.8	23.1	43.3	78.0	161.8	527.4
0.0	47.5°	0.0	0.0	0.0	5.8	8.7	23.1	41.9	76.6	163.3	728.3
0.0	50°	0.0	0.0	0.0	7.2	10.1	23.1	43.3	73.7	179.2	1119.8
0.0	52.5°	0.0	0.0	0.0	5.8	8.7	26.0	47.7	72.2	195.1	1456.5
0.0	55°	0.0	0.0	0.0	1.4	4.3	33.2	52.0	72.2	219.6	1540.3
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	37.6	59.2	76.6	260.1	1507.1
0.0	58°	0.0	0.0	0.0	0.0	0.0	37.6	60.7	76.6	263.0	1478.2
0.0	60°	0.0	0.0	0.0	0.0	0.0	37.6	66.5	85.3	283.2	1316.3
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	31.8	79.5	106.9	294.8	1034.6
0.0	65°	0.0	0.0	0.0	0.0	0.0	26.0	93.9	117.0	303.4	823.6
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	24.6	96.8	118.5	307.8	656.0
0.0	70°	0.0	0.0	0.0	0.0	0.0	26.0	95.4	127.2	322.2	533.2
0.0	72.5°	0.0	0.0	0.0	0.0	0.0	28.9	86.7	140.2	322.2	472.5
0.0	75°	0.0	0.0	0.0	0.0	0.0	30.3	80.9	157.5	293.3	408.9
0.0	77.5°	0.0	0.0	0.0	0.0	0.0	28.9	79.5	183.5	261.5	336.7
0.0	80°	2.9	4.3	4.3	2.9	2.9	24.6	78.0	186.4	222.5	231.2
1.4	82.5°	8.7	11.6	10.1	7.2	7.2	21.7	69.4	156.1	115.6	99.7
8.7	85°	15.9	18.8	18.8	15.9	15.9	20.2	43.3	56.4	39.0	31.8
15.9	87.5°	21.7	24.6	24.6	21.7	21.7	20.2	18.8	17.3	15.9	15.9
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: SP1-2407-184-5

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-735-U-5WQ

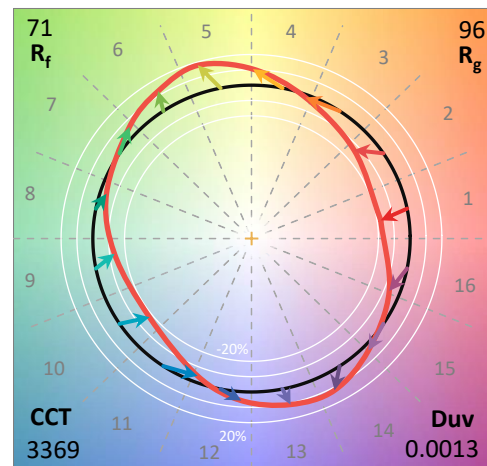
Data in this report applies to families of products including GSS-SB1A-735-U-5WQ

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	CRI (Ra):	70.1		
CIE u':	0.2386	R1:	66.6	R9:	-40.2
CIE v':	0.5156	R2:	77.6	R10:	49.1
Duv:	0.0013	R3:	88.5	R11:	66.3
CIE x:	0.4143	R4:	69.5	R12:	45.7
CIE y:	0.3980	R5:	66.4	R13:	68.0
CIE z:	0.1877	R6:	69.6	R14:	93.4
Peak Wavelength (nm):	590	R7:	77.5	R15:	57.6
Dominant Wavelength (nm):	580	R8:	44.9		
Purity:	43.80166				
Rf:	71.4				
Rg:	96				



Test Conditions

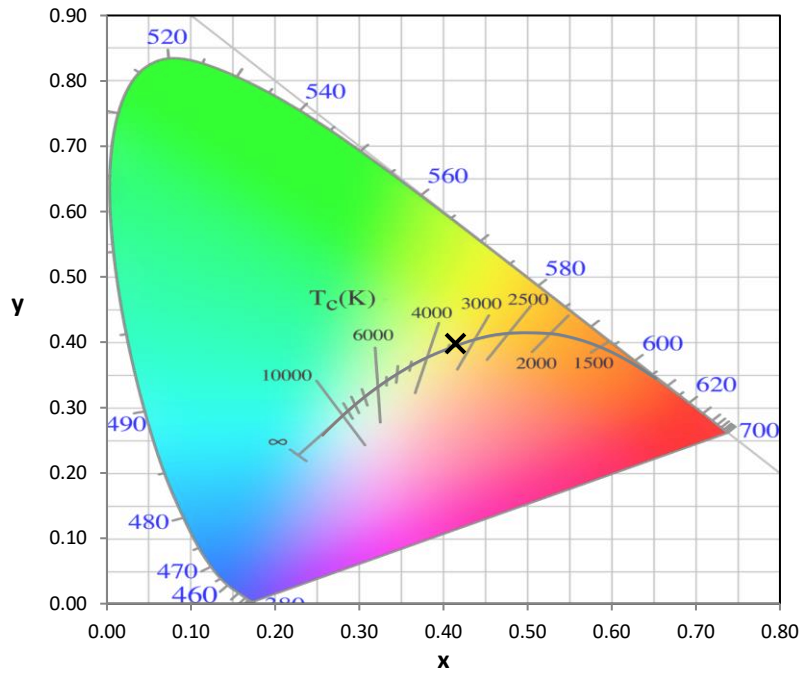
Stabilization Time: 21M
 Operation Time: 1H 21M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-5

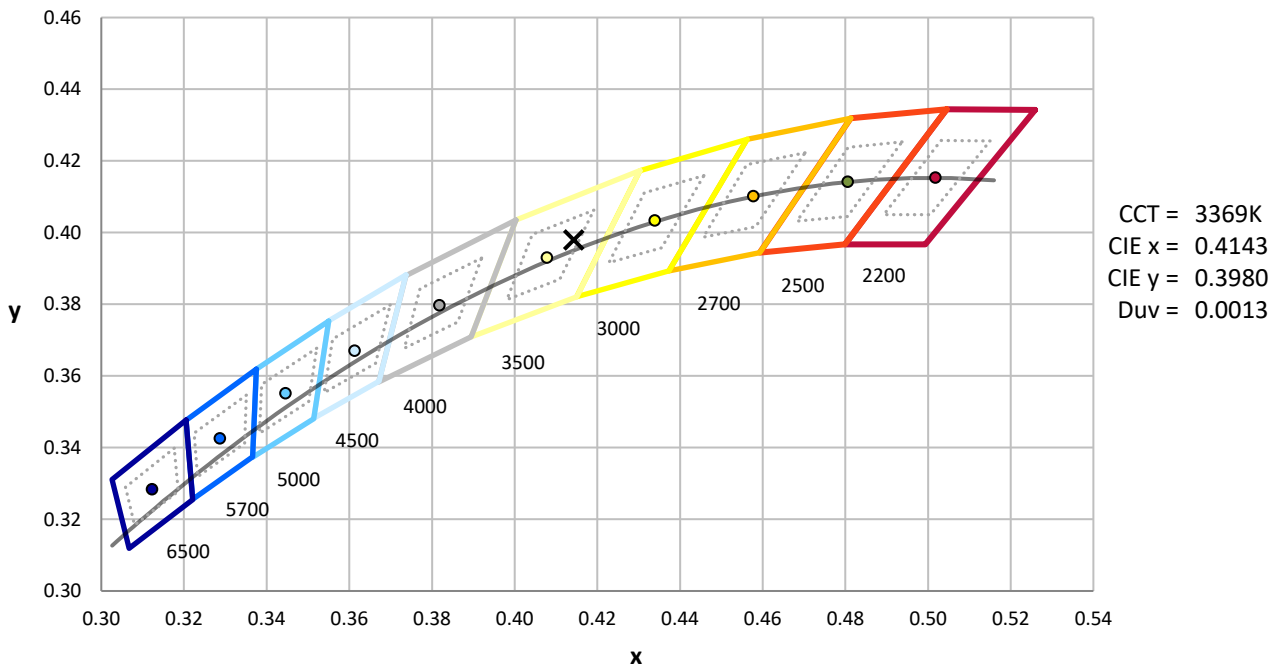
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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



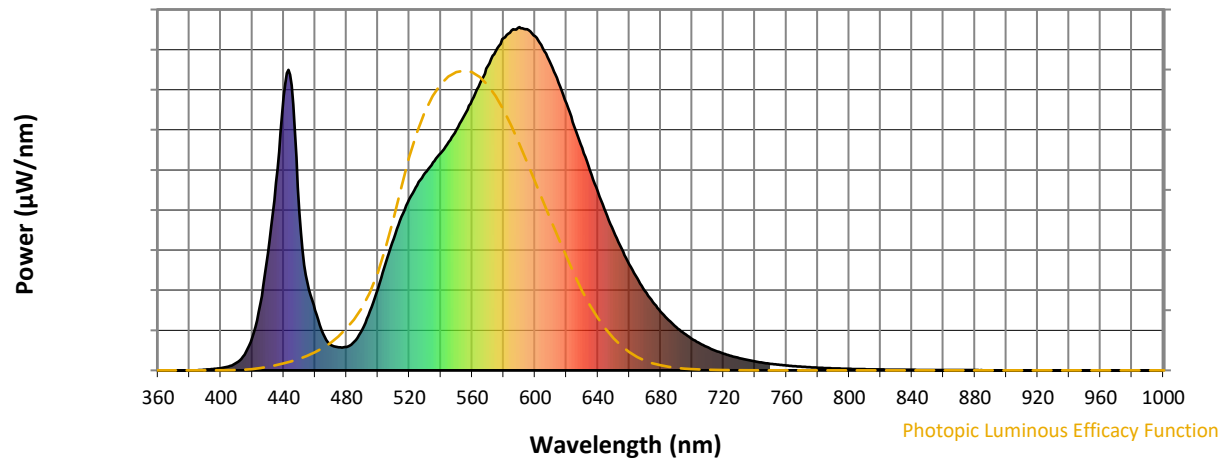
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3500K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-5

Photopic Flux vs. Wavelength

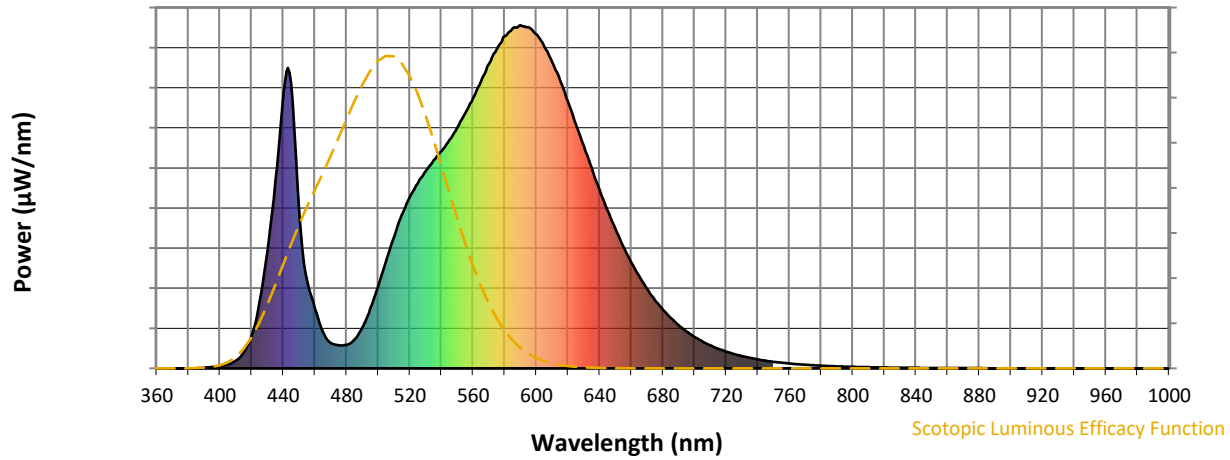


Photopic Lumens: NR

λ (nm)	Power $\text{W}^\wedge/\text{nm}$	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	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

Scotopic Flux vs. Wavelength

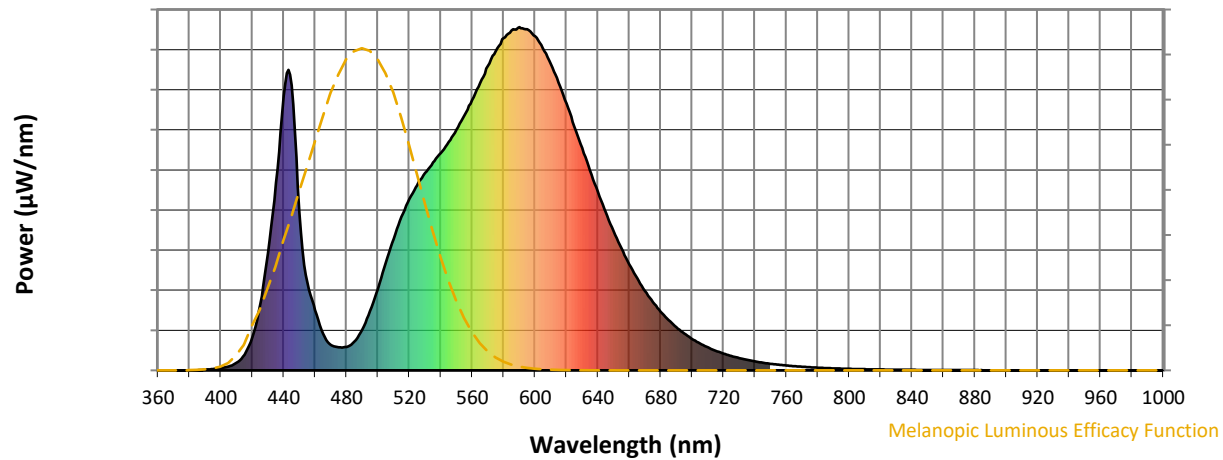


Scotopic Lumens: NR

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			

REPORT NUMBER: SP1-2407-184-5

Melanopic Flux vs. Wavelength

Melanopic Lumens: NR
M/P: 2.36

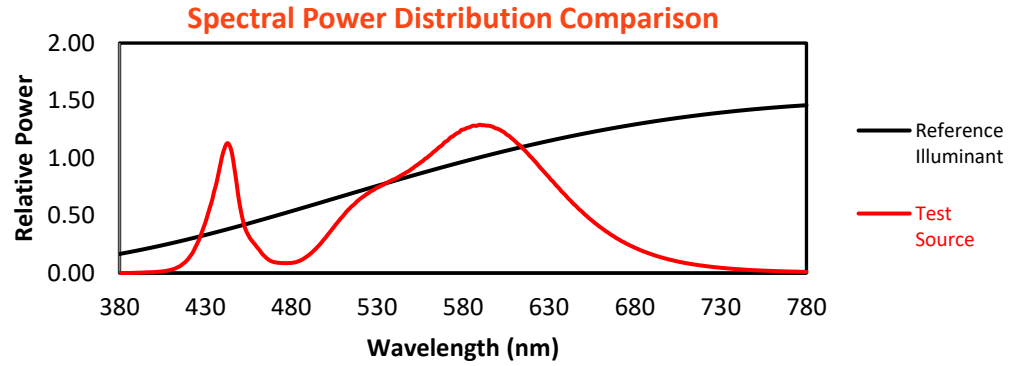
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	119	NR	620	778	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

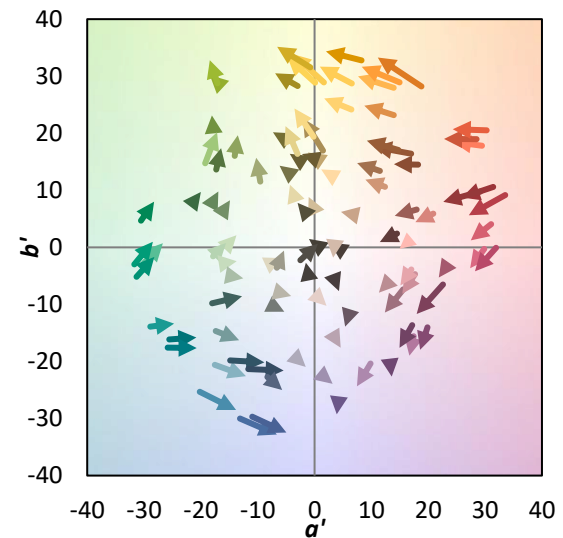
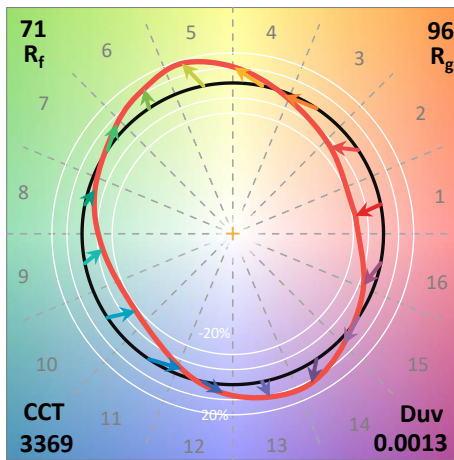
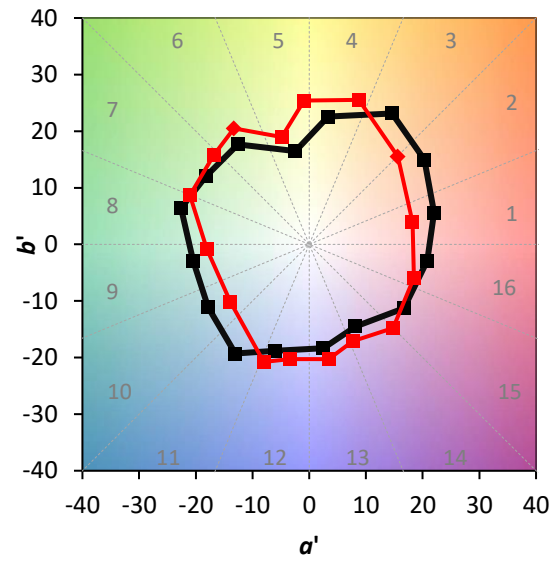
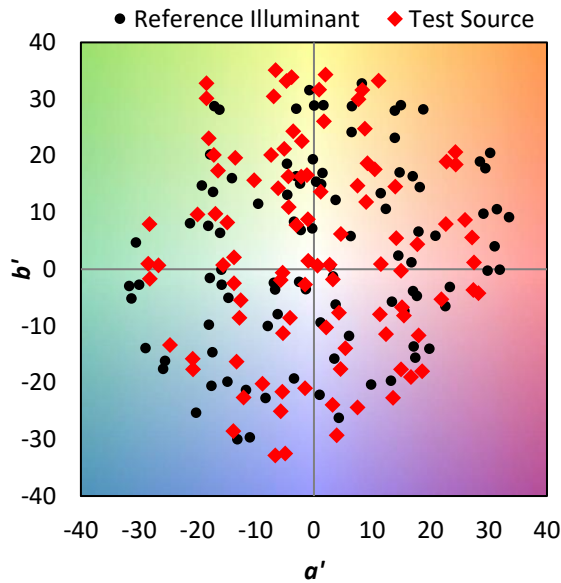
TM-30-18

Summary

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

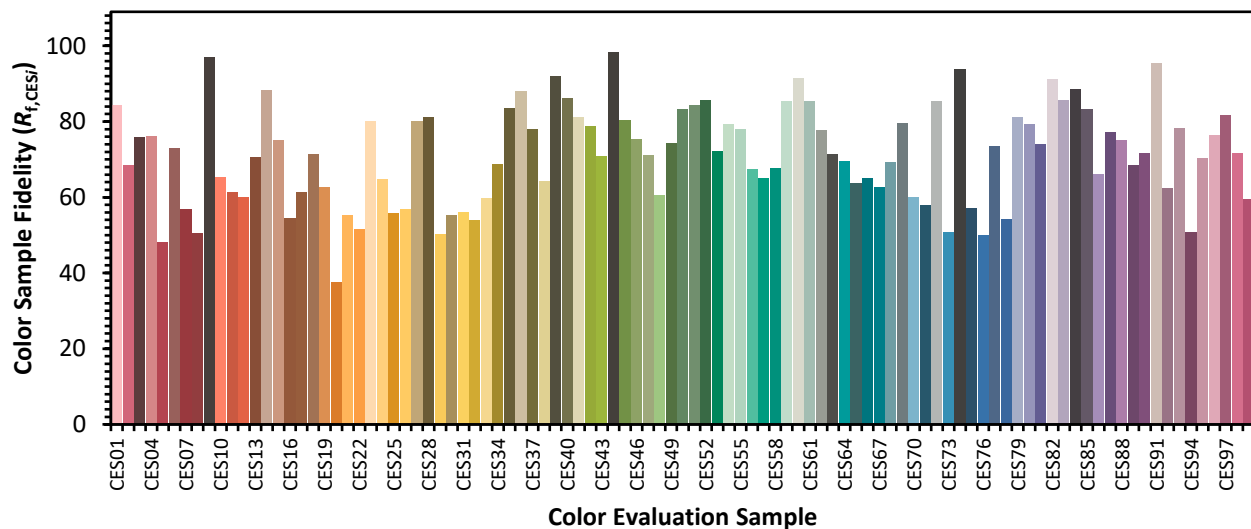


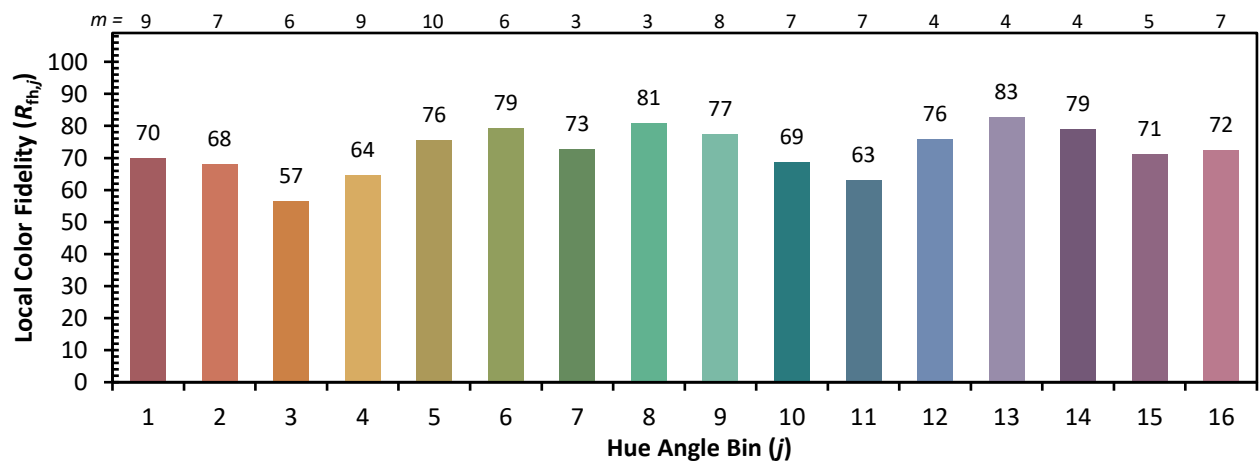
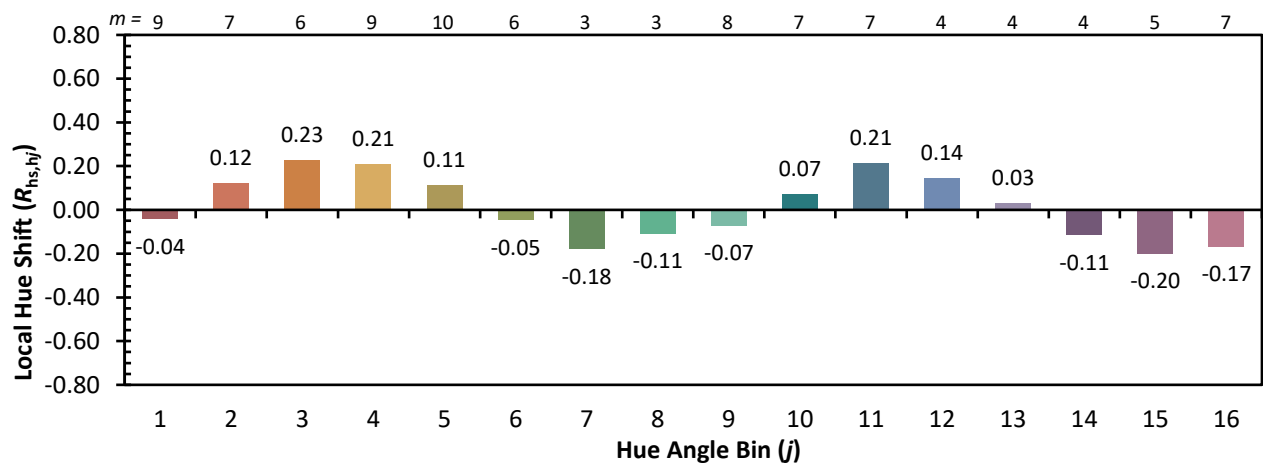
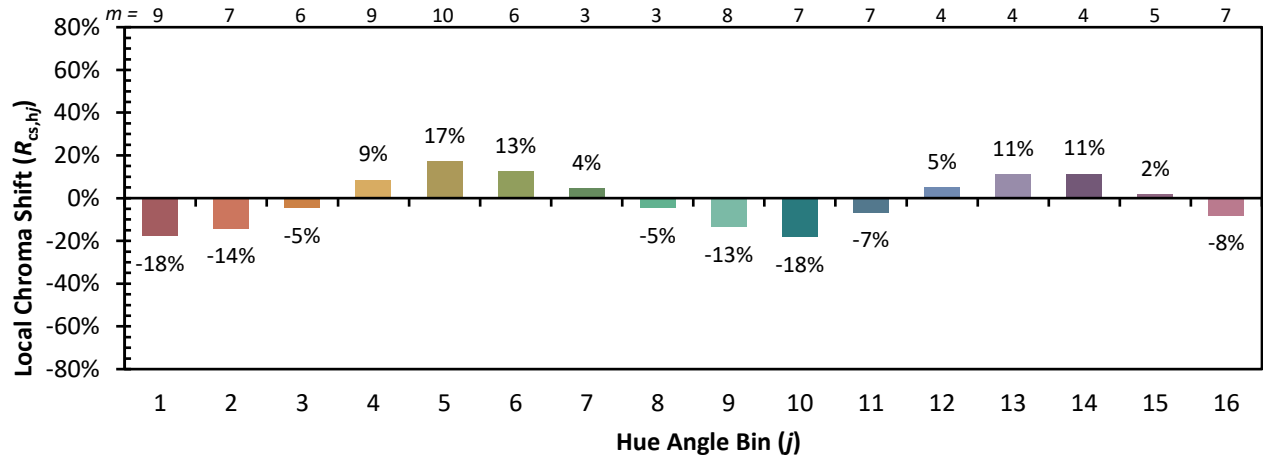
Color Vector Graphics



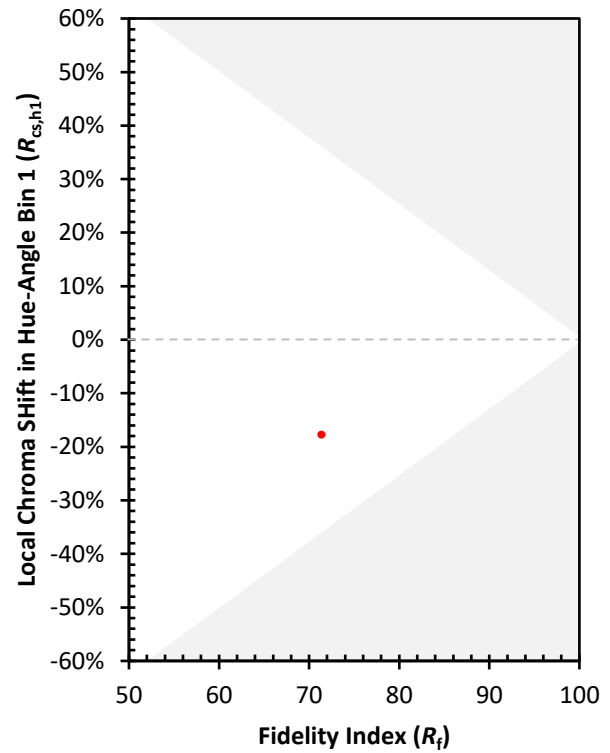
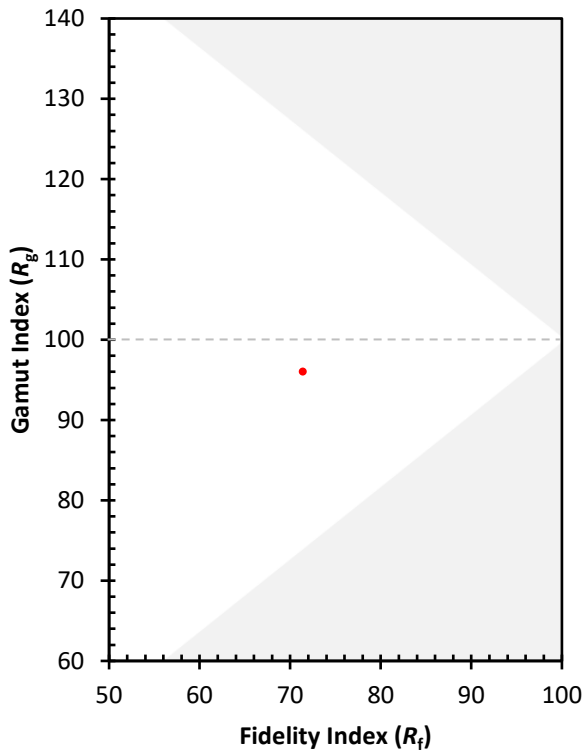
Individual Sample Fidelity Index ($R_{f,i}$)

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)