

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: P1065203

Luminaire Tested: **GLAN-SA9C-727-U-LBC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1065203
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA9C-727-U-LBC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 1050mA 9xLight Square PACKAGE
70CRI 2700K FIXTURE w/ LEFT CORNER BACKLIGHT CONTROL
Light Source: (126) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 40873.8 lumens
Efficiency: N/A
Efficacy: 98.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G5

Input Watts (W): 417.1
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

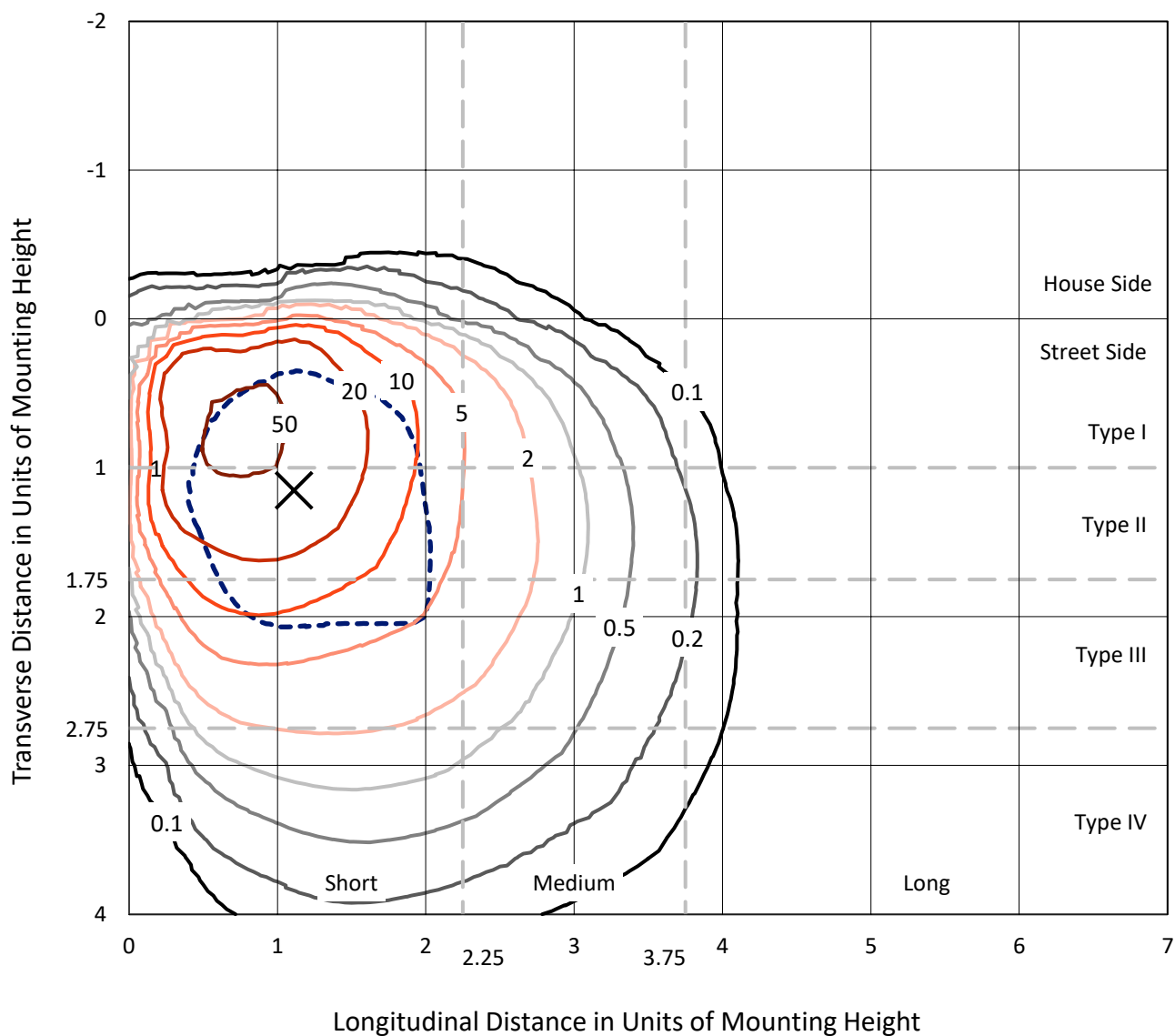
REPORT NUMBER: P1065203

CATALOG NUMBER: GLAN-SA9C-727-U-LBC

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

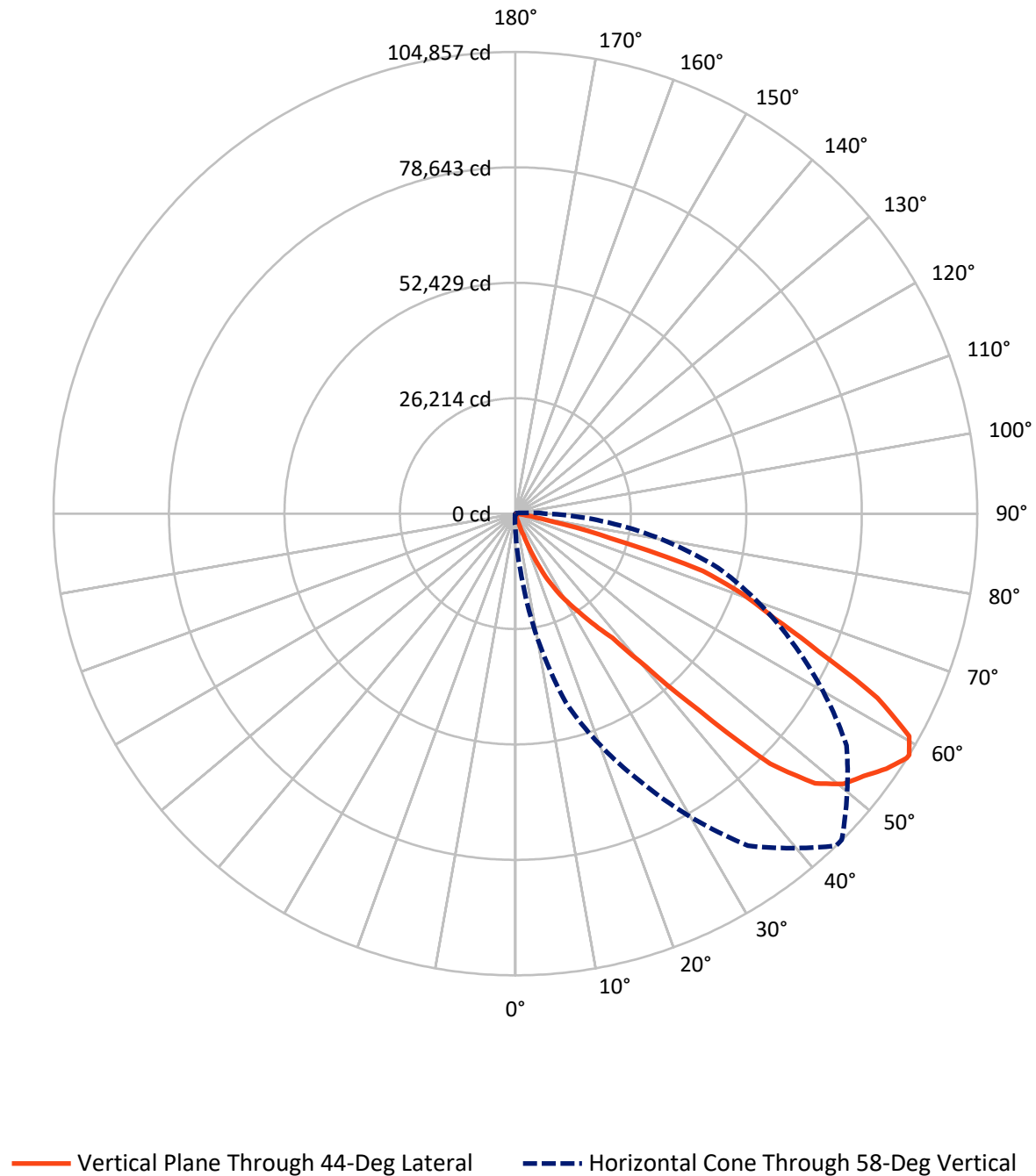


Based on 20 foot mounting height. Maximum calculated value = 71.1 fc

Type III - Short - N/A

REPORT NUMBER: P1065203
CATALOG NUMBER: GLAN-SA9C-727-U-LBC

Luminous Intensity Polar Plot



REPORT NUMBER: P1065203

CATALOG NUMBER: GLAN-SA9C-727-U-LBC

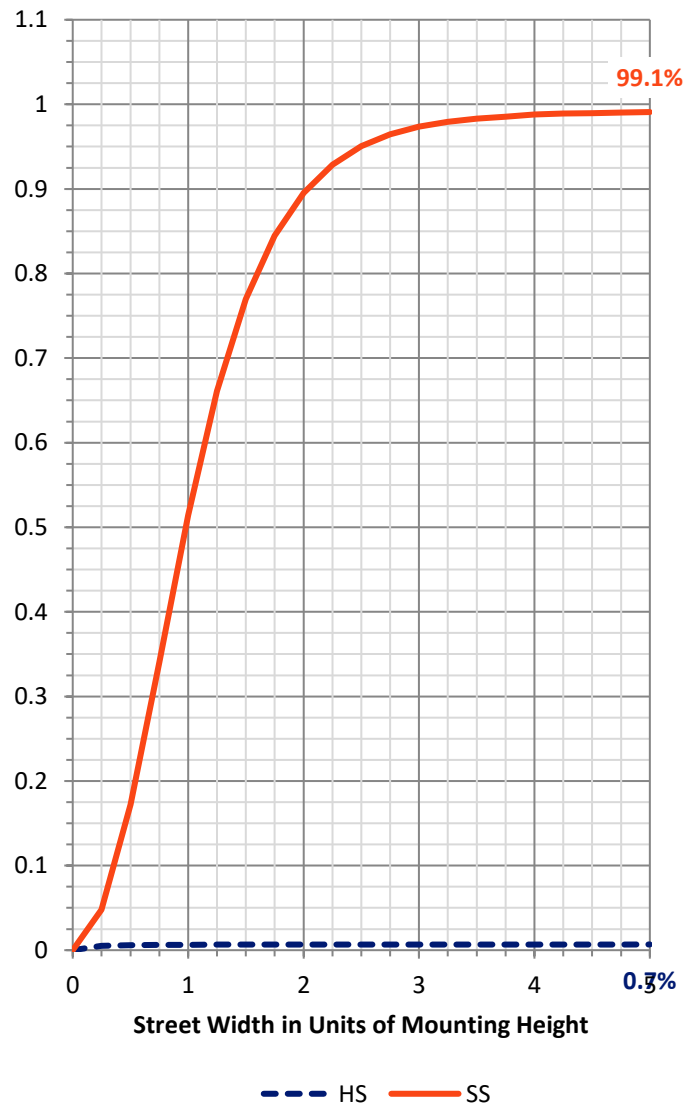
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	279.1	0.0	279.1
	% Fixture	0.7	0.0	0.7
Street Side	Lumens	40594.7	0.0	40594.7
	% Fixture	99.3	0.0	99.3
Total	Lumens	40873.8	0.0	40873.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.0	0.0
10°-20°	89.6	0.2
20°-30°	968.3	2.4
30°-40°	2863.6	7.0
40°-50°	8535.1	20.9
50°-60°	13543.1	33.1
60°-70°	11296.6	27.6
70°-80°	3484.1	8.5
80°-90°	77.4	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°	40873.8	100.0
0°-180°	40873.8	100.0



REPORT NUMBER: P1065203

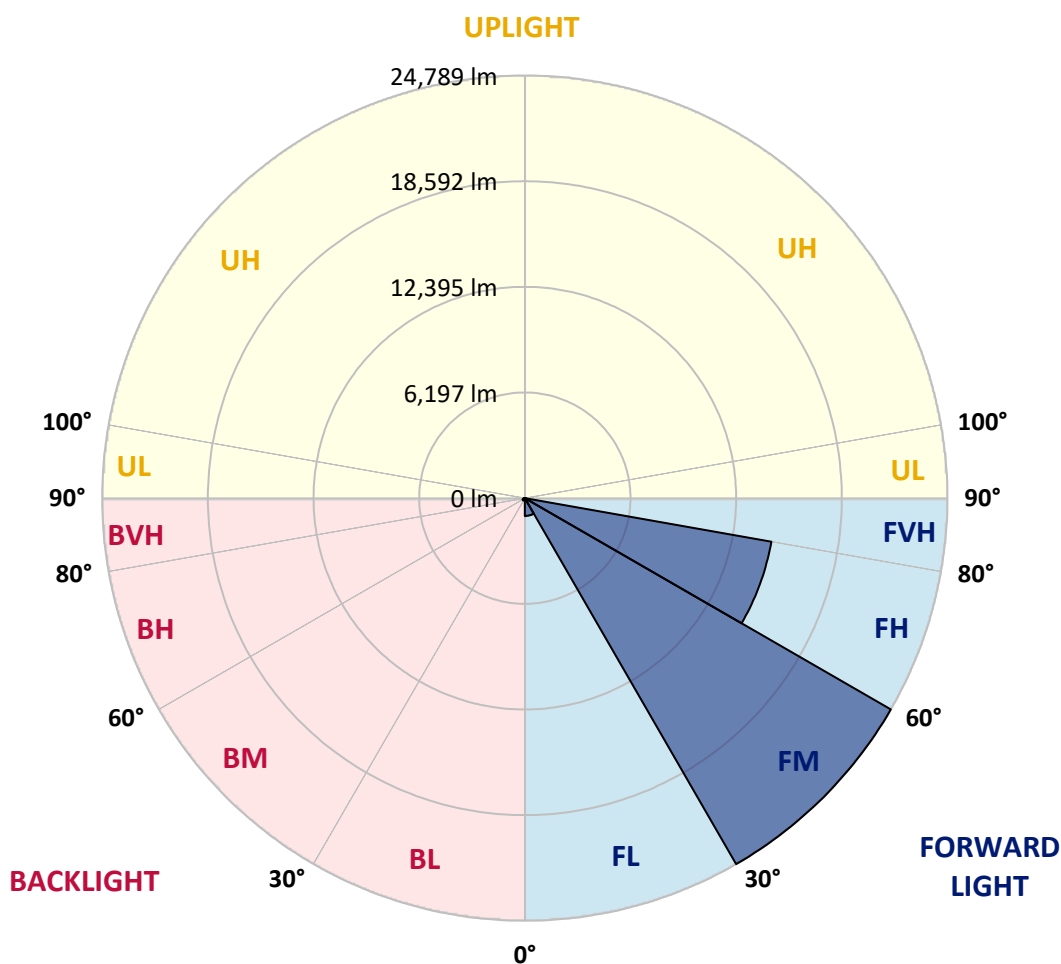
CATALOG NUMBER: GLAN-SA9C-727-U-LBC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1046.6	2.6			
FM	(30°-60°)	24789.1	60.6			
FH	(60°-80°)	14685.4	35.9			G5
FVH	(80°-90°)	73.6	0.2			G1/100
BL	(0°-30°)	27.3	0.1	B0/110		
BM	(30°-60°)	152.8	0.4	B0/220		
BH	(60°-80°)	95.3	0.2	B0/110		G0/110
BVH	(80°-90°)	3.7	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-G5

Type III Short





REPORT NUMBER: P1065203

CATALOG NUMBER: GLAN-SA9C-727-U-LBC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°	85°
0°	179.1	179.1	179.1	179.1	179.1	179.1	179.1	179.1	179.1	179.1	179.1
2.5°	231.6	231.6	222.3	210.0	197.6	185.3	182.2	176.0	172.9	169.8	166.7
5°	240.8	240.8	237.8	228.5	216.1	206.9	206.9	197.6	191.4	185.3	179.1
7.5°	247.0	250.1	256.3	253.2	247.0	237.8	237.8	231.6	222.3	206.9	197.6
10°	256.3	265.5	277.9	284.1	287.2	287.2	284.1	281.0	265.5	243.9	219.2
12.5°	265.5	284.1	314.9	345.8	364.3	389.0	386.0	379.8	339.6	293.3	250.1
15°	284.1	311.9	376.7	466.2	605.2	691.6	725.6	694.7	562.0	395.2	290.2
17.5°	305.7	352.0	546.5	975.7	1599.4	1895.8	2074.9	1929.8	1278.3	750.3	364.3
20°	327.3	429.2	1015.8	2528.8	4149.8	5119.4	5388.0	4968.1	3189.6	1429.6	540.3
22.5°	364.3	602.1	2059.5	5227.4	8941.9	10396.2	10671.0	9327.8	6024.0	2822.1	812.1
25°	441.5	873.8	3550.8	8518.9	13344.9	15799.6	15685.4	13925.4	9772.5	4508.0	1235.1
27.5°	552.7	1272.1	5369.5	12103.7	17562.7	19727.1	19986.5	17809.7	13026.9	6629.2	1753.8
30°	713.3	1763.1	7320.9	14975.2	20943.6	23284.1	23327.3	21076.4	15938.5	8491.1	2389.9
32.5°	867.6	2226.2	9028.3	17751.0	24275.2	26841.1	27032.5	24262.9	18112.3	10430.1	2942.5
35°	985.0	2528.8	10757.4	20190.3	27634.6	31170.0	31157.7	27869.3	20687.4	12162.3	3708.3
37.5°	994.2	2831.4	12322.9	22685.1	31889.4	35847.8	36240.0	32615.0	23799.7	14305.2	4646.9
40°	972.6	3171.0	14305.2	26575.6	39556.1	45629.6	45975.4	41405.6	30043.0	17973.3	6113.6
42.5°	997.3	3760.8	17522.5	33760.6	52286.6	61009.2	61676.2	56871.7	41519.9	25457.8	8728.8
45°	1127.0	4869.3	24262.9	45780.8	70432.8	81066.7	80844.4	73924.9	54874.0	36851.3	13903.8
47.5°	1556.2	7583.3	34254.6	57480.0	82030.1	91499.9	91691.4	83234.3	62667.3	45611.0	20872.6
50°	2392.9	11603.5	42650.0	63664.6	87016.6	96517.4	96338.3	86565.8	65628.4	49924.5	25142.9
52.5°	3112.4	14512.0	46861.5	65835.2	87655.8	98996.8	98984.4	87442.7	66088.4	50295.0	25677.0
55°	3291.5	14731.3	46895.5	65952.6	89088.5	102241.9	102649.5	89601.0	66684.4	48677.1	23667.0
57.5°	3220.4	13042.3	44937.9	66631.9	91638.9	104752.2	104773.8	91691.4	68197.3	47685.9	20338.5
58°	3158.7	12776.8	44542.7	67017.8	92077.3	104857.2	104804.7	91787.1	69429.3	47648.9	19816.7
60°	2812.9	11094.0	43001.9	68002.8	91425.8	102702.0	102211.1	89696.7	69247.1	47269.1	17189.0
62.5°	2210.8	8654.7	41485.9	66863.4	84441.5	92268.8	92472.6	79411.7	63127.4	45055.2	14092.1
65°	1760.0	6450.1	38324.1	58650.2	69534.3	75771.4	76530.9	64575.5	52691.0	38151.2	10390.0
67.5°	1401.8	4662.4	32148.8	46694.8	55022.2	63238.5	63791.2	54216.4	40822.1	29230.9	7382.6
70°	1139.3	3152.5	22191.1	34149.6	45382.5	54620.8	54654.8	45039.8	30469.1	19152.8	4631.5
72.5°	1009.7	2183.0	12881.7	24905.1	36798.8	44508.7	43610.2	36548.7	23416.9	11344.1	2760.4
75°	873.8	1448.1	6317.4	15225.3	22311.5	22462.8	22805.5	16954.4	11705.3	5394.2	1655.0
77.5°	719.4	1028.2	2488.7	4159.1	6691.0	8565.2	8883.2	6731.1	3893.5	1327.7	883.1
80°	494.0	487.9	670.0	1275.2	1914.4	2399.1	2238.6	1732.2	1018.9	509.5	314.9
82.5°	213.0	231.6	302.6	364.3	296.4	287.2	274.8	176.0	135.9	105.0	64.8
85°	67.9	61.8	64.8	64.8	52.5	40.1	40.1	18.5	0.0	0.0	0.0
87.5°	34.0	27.8	27.8	24.7	15.4	6.2	3.1	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1065203

CATALOG NUMBER: GLAN-SA9C-727-U-LBC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	179.1	179.1	179.1	179.1	179.1	179.1	179.1	179.1	179.1	179.1	179.1
2.5°	163.6	163.6	157.5	151.3	148.2	142.0	138.9	135.9	132.8	129.7	126.6
5°	172.9	169.8	160.6	151.3	142.0	132.8	126.6	120.4	114.2	111.2	108.1
7.5°	188.3	182.2	163.6	148.2	135.9	123.5	117.3	108.1	101.9	92.6	89.5
10°	206.9	194.5	169.8	151.3	132.8	117.3	108.1	98.8	89.5	77.2	74.1
12.5°	231.6	210.0	179.1	148.2	126.6	108.1	98.8	86.5	77.2	67.9	61.8
15°	253.2	225.4	182.2	148.2	120.4	98.8	86.5	74.1	64.8	52.5	46.3
17.5°	284.1	237.8	179.1	138.9	111.2	86.5	74.1	64.8	49.4	30.9	24.7
20°	336.6	247.0	172.9	129.7	95.7	71.0	55.6	43.2	21.6	6.2	0.0
22.5°	419.9	271.7	166.7	117.3	83.4	55.6	37.1	15.4	0.0	0.0	0.0
25°	580.5	314.9	166.7	111.2	74.1	40.1	12.4	0.0	0.0	0.0	0.0
27.5°	771.9	373.6	166.7	95.7	58.7	21.6	0.0	0.0	0.0	0.0	0.0
30°	966.4	438.4	166.7	83.4	46.3	3.1	0.0	0.0	0.0	0.0	0.0
32.5°	1151.7	494.0	169.8	71.0	30.9	0.0	0.0	0.0	0.0	0.0	0.0
35°	1340.0	503.3	166.7	61.8	18.5	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	1580.9	484.8	157.5	55.6	9.3	0.0	0.0	0.0	0.0	0.0	0.0
40°	1945.2	494.0	148.2	52.5	3.1	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	2618.3	534.2	135.9	52.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	4526.5	716.3	123.5	55.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	7487.6	1287.6	120.4	55.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	9556.3	1621.0	126.6	58.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	9540.9	1806.3	132.8	61.8	12.4	0.0	0.0	0.0	0.0	0.0	0.0
55°	8481.8	1840.2	142.0	67.9	40.1	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	7089.3	1679.7	163.6	83.4	74.1	0.0	0.0	0.0	0.0	0.0	0.0
58°	6842.3	1605.6	169.8	86.5	80.3	0.0	0.0	0.0	0.0	0.0	0.0
60°	5607.2	1309.2	216.1	108.1	108.1	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	3871.9	1142.4	247.0	138.9	111.2	0.0	0.0	0.0	0.0	0.0	0.0
65°	2738.8	1031.3	268.6	148.2	89.5	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	2047.1	951.0	296.4	151.3	46.3	0.0	0.0	0.0	0.0	0.0	0.0
70°	1568.5	892.3	364.3	160.6	12.4	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	1278.3	824.4	441.5	166.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	1059.1	744.1	426.1	182.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	704.0	577.4	389.0	182.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	247.0	228.5	302.6	160.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	37.1	30.9	43.2	55.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1065203

CATALOG NUMBER: GLAN-SA9C-727-U-LBC

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	179.1	179.1	179.1	179.1	179.1	179.1	179.1	179.1	179.1	179.1	179.1
2.5°	126.6	126.6	123.5	126.6	126.6	132.8	148.2	169.8	194.5	203.8	213.0
5°	105.0	101.9	98.8	98.8	98.8	108.1	120.4	145.1	172.9	185.3	191.4
7.5°	86.5	83.4	80.3	77.2	77.2	83.4	98.8	126.6	154.4	166.7	176.0
10°	71.0	64.8	61.8	58.7	58.7	64.8	80.3	108.1	138.9	151.3	163.6
12.5°	58.7	49.4	43.2	40.1	37.1	46.3	61.8	86.5	120.4	135.9	148.2
15°	40.1	30.9	21.6	18.5	15.4	24.7	40.1	67.9	101.9	120.4	132.8
17.5°	21.6	9.3	3.1	0.0	0.0	6.2	18.5	49.4	83.4	98.8	114.2
20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.7	61.8	77.2	92.6
22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	37.1	52.5	67.9
25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.4	27.8	40.1
27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.2	18.5
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	3.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.3	18.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.4	24.7	34.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1065203

CATALOG NUMBER: GLAN-SA9C-727-U-LBC

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	316°	325°	335°	345°	355°	360°
0°	179.1	179.1	179.1	179.1	179.1	179.1	179.1	179.1	179.1	179.1
2.5°	219.2	216.1	210.0	203.8	203.8	203.8	213.0	222.3	231.6	231.6
5°	203.8	203.8	200.7	194.5	194.5	197.6	210.0	225.4	237.8	240.8
7.5°	188.3	194.5	188.3	185.3	188.3	191.4	203.8	222.3	240.8	247.0
10°	179.1	182.2	182.2	179.1	179.1	185.3	197.6	222.3	247.0	256.3
12.5°	166.7	172.9	169.8	169.8	169.8	176.0	191.4	219.2	253.2	265.5
15°	154.4	163.6	163.6	160.6	160.6	163.6	185.3	216.1	262.5	284.1
17.5°	142.0	151.3	154.4	148.2	148.2	154.4	176.0	216.1	268.6	305.7
20°	117.3	132.8	142.0	132.8	132.8	138.9	160.6	203.8	271.7	327.3
22.5°	92.6	108.1	120.4	117.3	117.3	120.4	148.2	194.5	274.8	364.3
25°	67.9	83.4	92.6	98.8	98.8	108.1	135.9	188.3	287.2	441.5
27.5°	40.1	58.7	71.0	77.2	80.3	92.6	126.6	182.2	308.8	552.7
30°	18.5	34.0	49.4	61.8	61.8	83.4	117.3	176.0	336.6	713.3
32.5°	0.0	15.4	24.7	43.2	46.3	67.9	108.1	169.8	376.7	867.6
35°	0.0	0.0	12.4	34.0	34.0	55.6	98.8	163.6	438.4	985.0
37.5°	0.0	0.0	0.0	24.7	27.8	49.4	95.7	160.6	450.8	994.2
40°	0.0	0.0	0.0	18.5	21.6	46.3	95.7	163.6	407.6	972.6
42.5°	0.0	0.0	0.0	12.4	15.4	46.3	95.7	169.8	367.4	997.3
45°	0.0	0.0	0.0	9.3	12.4	49.4	92.6	166.7	345.8	1127.0
47.5°	0.0	0.0	0.0	12.4	18.5	49.4	89.5	163.6	348.9	1556.2
50°	0.0	0.0	0.0	15.4	21.6	49.4	92.6	157.5	382.9	2392.9
52.5°	0.0	0.0	0.0	12.4	18.5	55.6	101.9	154.4	416.8	3112.4
55°	0.0	0.0	0.0	3.1	9.3	71.0	111.2	154.4	469.3	3291.5
57.5°	0.0	0.0	0.0	0.0	0.0	80.3	126.6	163.6	555.8	3220.4
58°	0.0	0.0	0.0	0.0	0.0	80.3	129.7	163.6	562.0	3158.7
60°	0.0	0.0	0.0	0.0	0.0	80.3	142.0	182.2	605.2	2812.9
62.5°	0.0	0.0	0.0	0.0	0.0	67.9	169.8	228.5	629.9	2210.8
65°	0.0	0.0	0.0	0.0	0.0	55.6	200.7	250.1	648.4	1760.0
67.5°	0.0	0.0	0.0	0.0	0.0	52.5	206.9	253.2	657.7	1401.8
70°	0.0	0.0	0.0	0.0	0.0	55.6	203.8	271.7	688.5	1139.3
72.5°	0.0	0.0	0.0	0.0	0.0	61.8	185.3	299.5	688.5	1009.7
75°	0.0	0.0	0.0	0.0	0.0	64.8	172.9	336.6	626.8	873.8
77.5°	0.0	0.0	0.0	0.0	0.0	61.8	169.8	392.1	558.9	719.4
80°	6.2	9.3	9.3	6.2	6.2	52.5	166.7	398.3	475.5	494.0
82.5°	18.5	24.7	21.6	15.4	15.4	46.3	148.2	333.5	247.0	213.0
85°	34.0	40.1	40.1	34.0	34.0	43.2	92.6	120.4	83.4	67.9
87.5°	46.3	52.5	52.5	46.3	46.3	43.2	40.1	37.1	34.0	34.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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

Report Prepared for

Cooper Lighting Solutions

McGraw-Edison

Report Number: SP1-2407-184-3

Test Date: 10/09/2024

Luminaire Tested: GSS-SB1A-727-U-5WQ

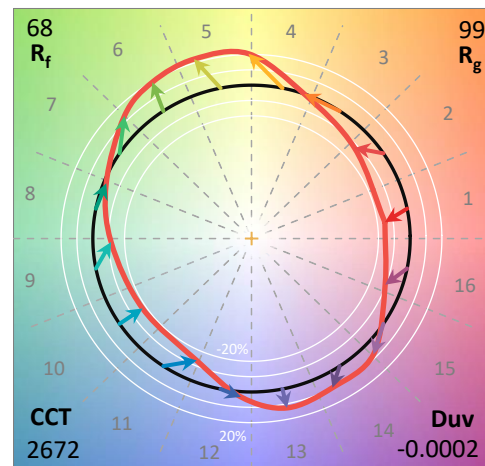
Data in this report applies to families of products including GSS-SB1A-727-U-5WQ

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-3
 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-727-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI
 2700K CCT 26 LEDS

Spectral Parameters

CCT (K):	2672	CRI (Ra):	71.1		
CIE u':	0.2638	R1:	68.3	R9:	-27.8
CIE v':	0.5276	R2:	79.8	R10:	54.4
Duv:	-0.0002	R3:	91.2	R11:	65.8
CIE x:	0.4619	R4:	69.4	R12:	45.6
CIE y:	0.4106	R5:	66.5	R13:	69.8
CIE z:	0.1275	R6:	72.6	R14:	94.5
Peak Wavelength (nm):	601	R7:	77.0	R15:	60.1
Dominant Wavelength (nm):	584	R8:	44.1		
Purity:	61.88407				
Rf:	67.9				
Rg:	98.6				



Test Conditions

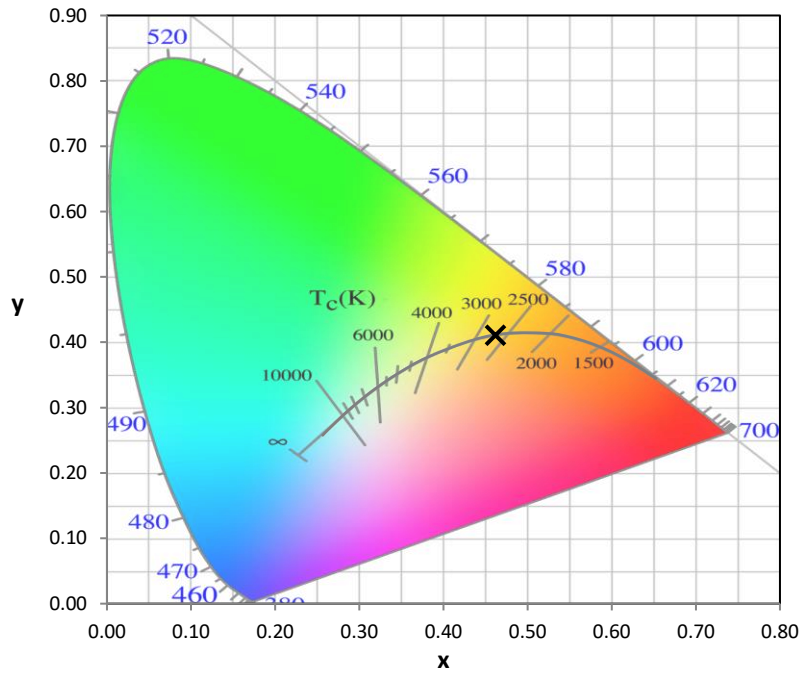
Stabilization Time: 21M
 Operation Time: 1H 21M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-3

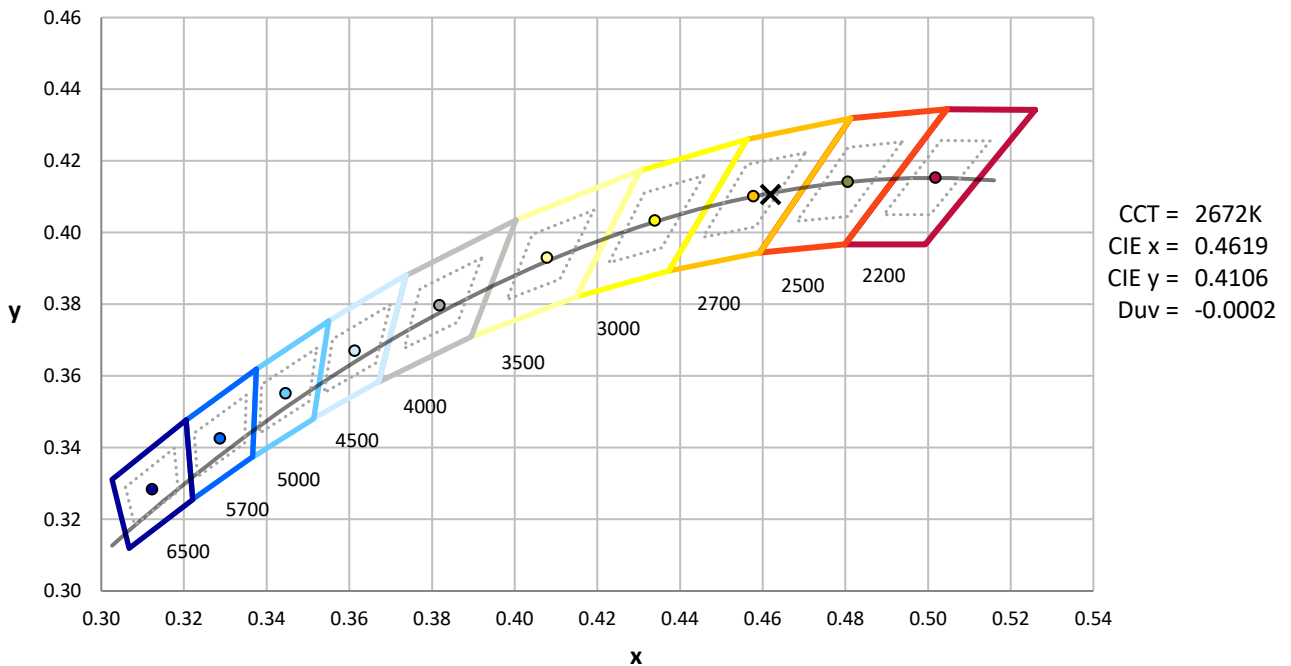
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-3

CIE 1931 Chromaticity Diagram

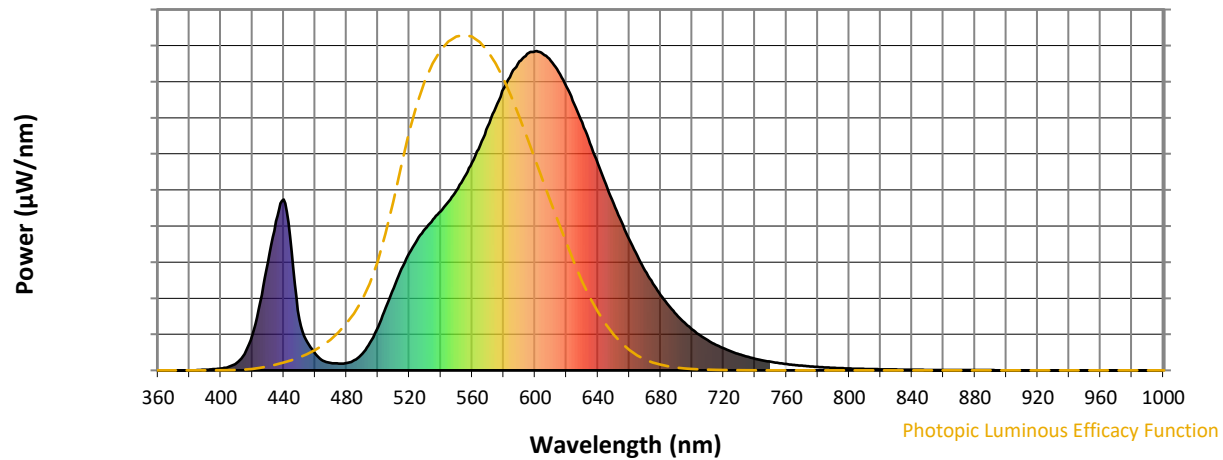


CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



REPORT NUMBER: SP1-2407-184-3

Photopic Flux vs. Wavelength

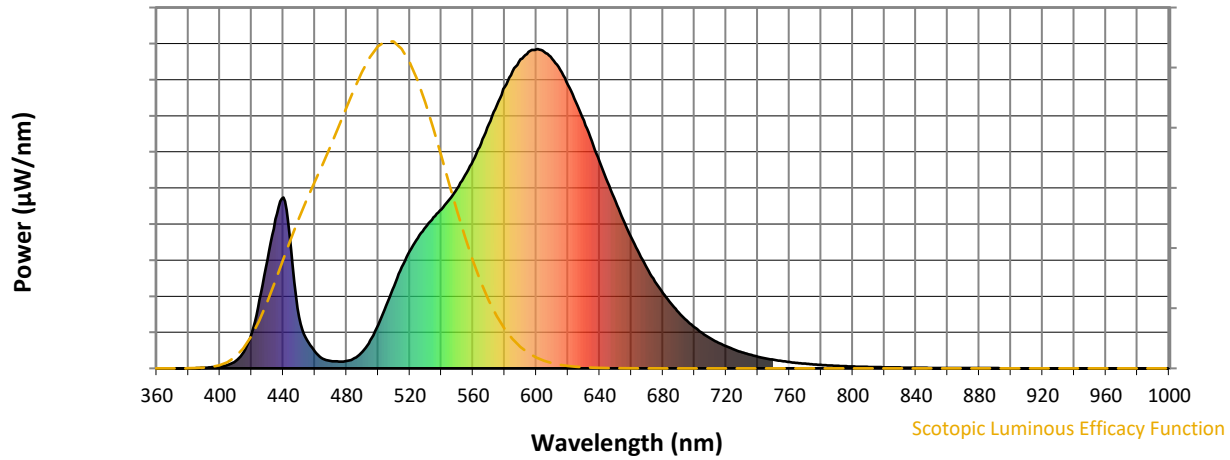


Photopic Lumens: NR

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	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-3

Scotopic Flux vs. Wavelength



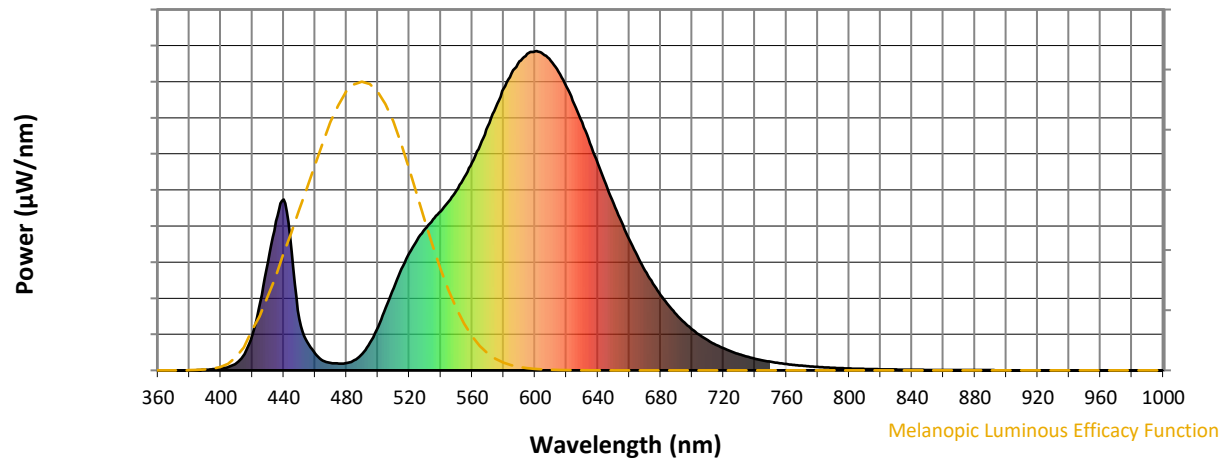
Scotopic Lumens: NR

S/P: 1.02

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	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-3

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 1.71

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	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

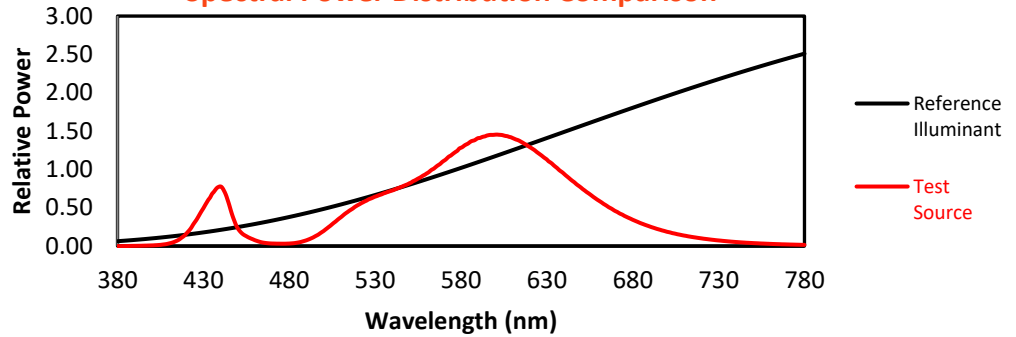
REPORT NUMBER: SP1-2407-184-3

TM-30-18

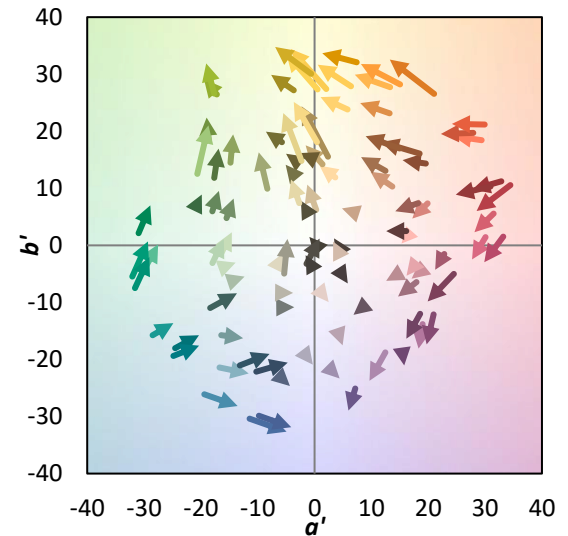
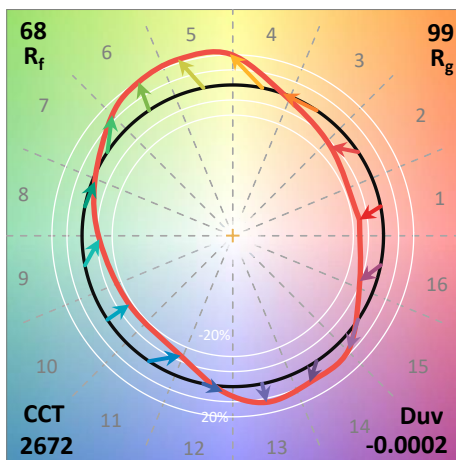
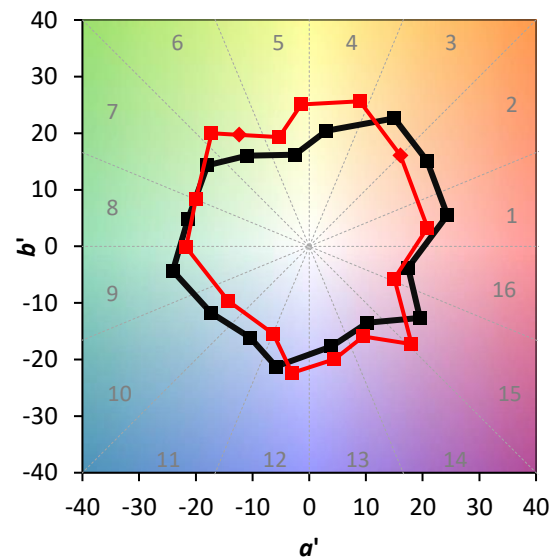
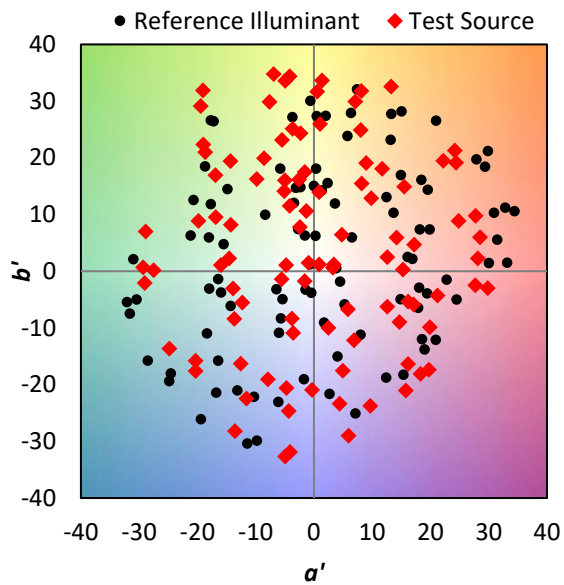
Summary

$R_f = 67.9$
 $R_g = 98.6$
 $\text{CIE } R_a = 71.1$
 $R_g = -27.8$

Spectral Power Distribution Comparison

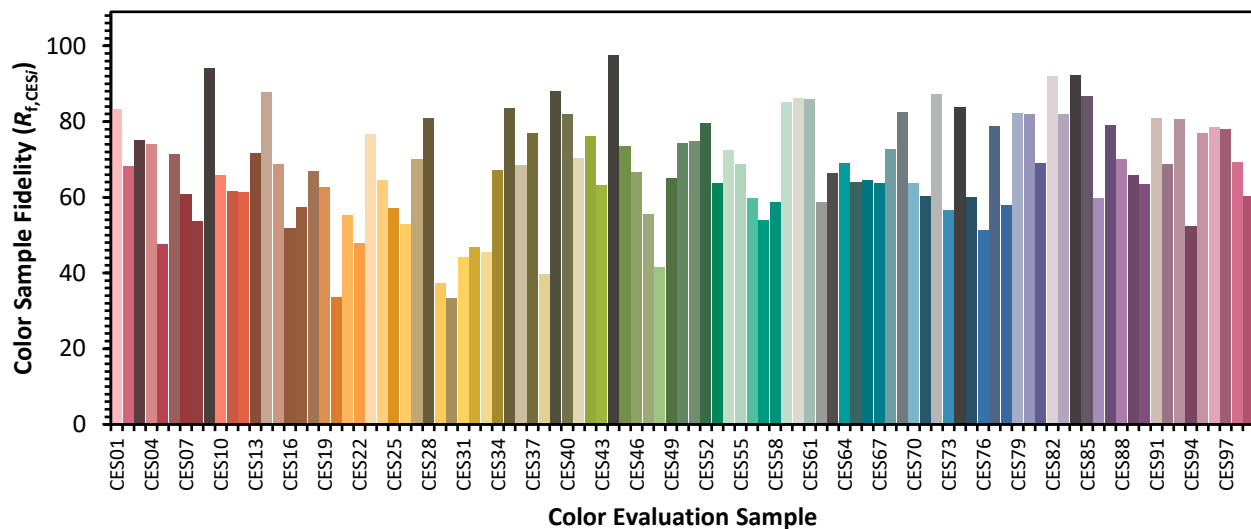


Color Vector Graphics

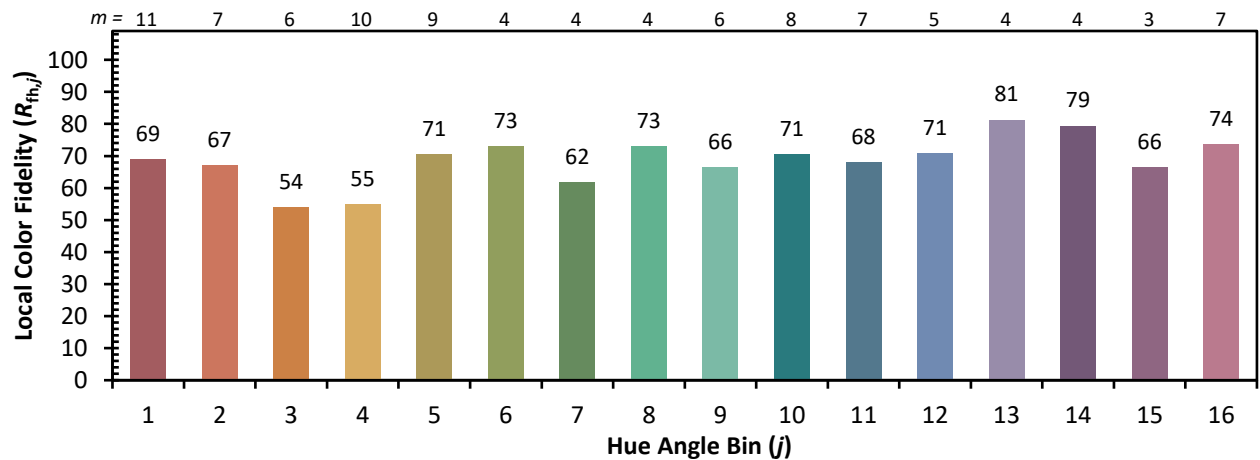
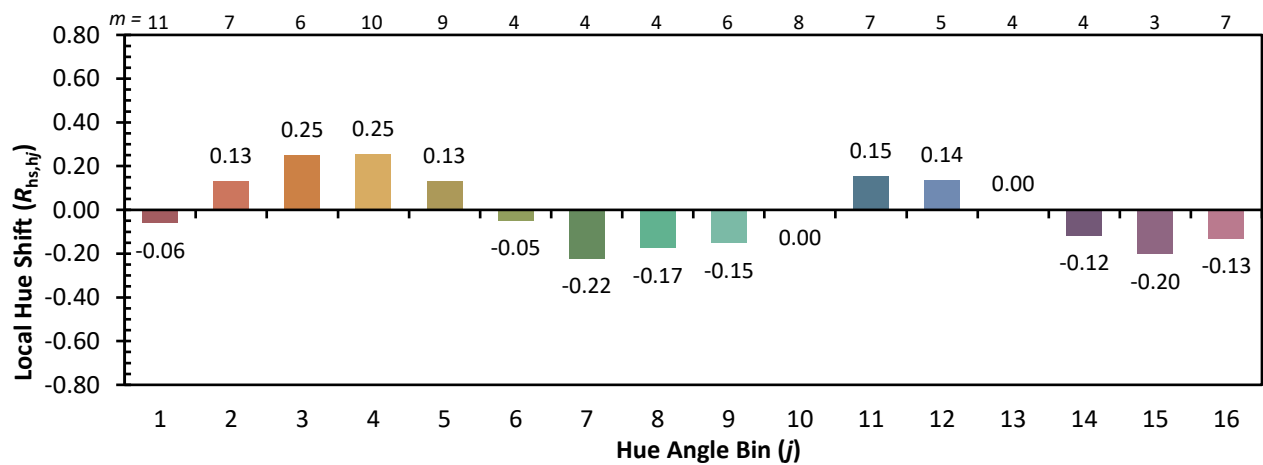
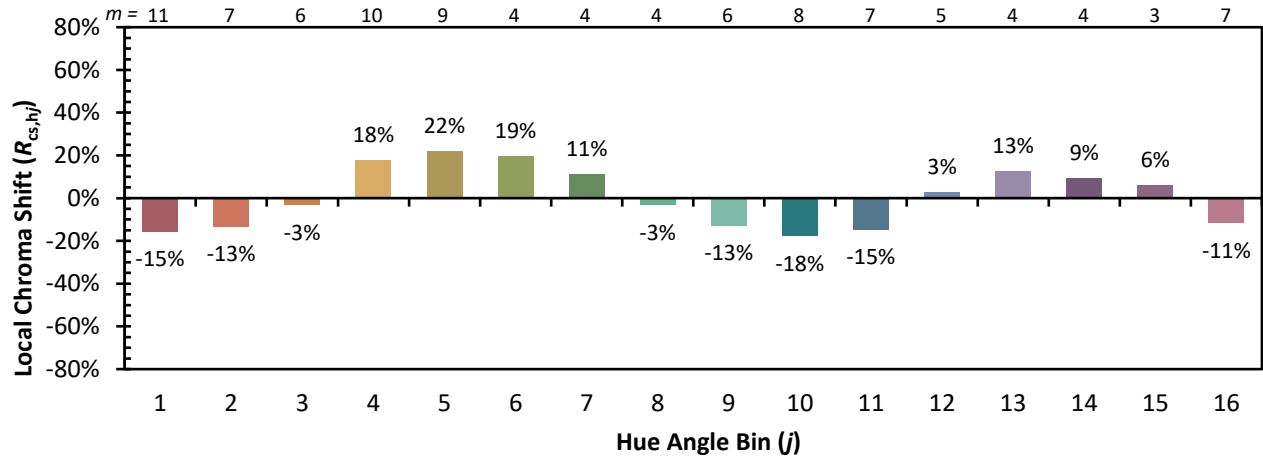


Individual Sample Fidelity Index ($R_{f,i}$)

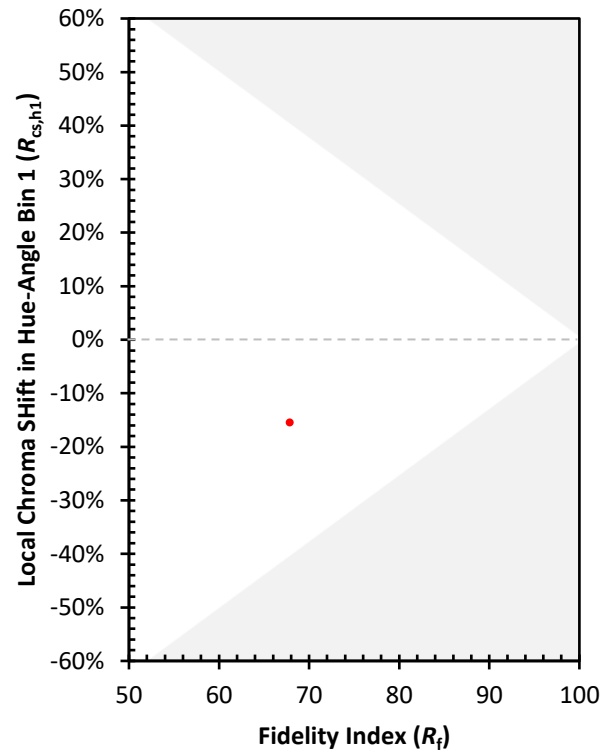
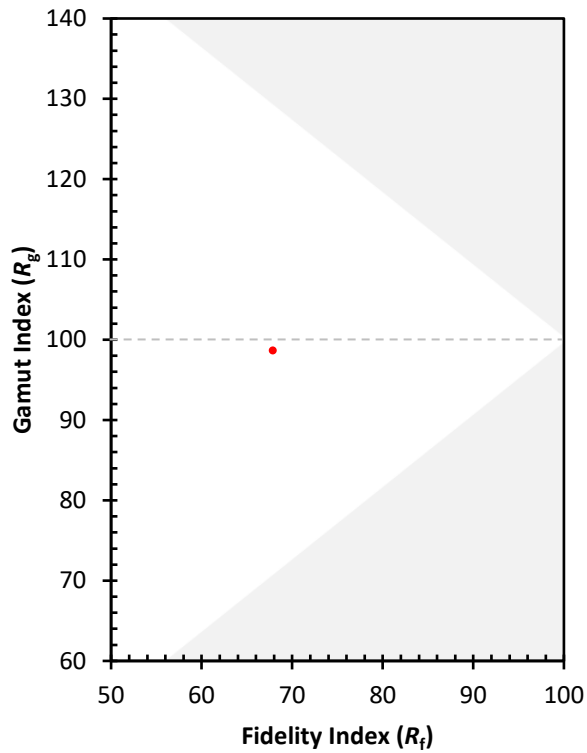
CES01 = 86	CES26 = 53	CES51 = 75	CES76 = 51
CES02 = 63	CES27 = 70	CES52 = 80	CES77 = 79
CES03 = 31	CES28 = 81	CES53 = 64	CES78 = 58
CES04 = 71	CES29 = 37	CES54 = 73	CES79 = 82
CES05 = 50	CES30 = 33	CES55 = 69	CES80 = 82
CES06 = 52	CES31 = 44	CES56 = 60	CES81 = 69
CES07 = 42	CES32 = 47	CES57 = 54	CES82 = 92
CES08 = 41	CES33 = 45	CES58 = 59	CES83 = 82
CES09 = 29	CES34 = 67	CES59 = 85	CES84 = 92
CES10 = 77	CES35 = 84	CES60 = 86	CES85 = 87
CES11 = 60	CES36 = 68	CES61 = 86	CES86 = 60
CES12 = 66	CES37 = 77	CES62 = 59	CES87 = 79
CES13 = 44	CES38 = 40	CES63 = 66	CES88 = 70
CES14 = 74	CES39 = 88	CES64 = 69	CES89 = 66
CES15 = 72	CES40 = 82	CES65 = 64	CES90 = 64
CES16 = 48	CES41 = 70	CES66 = 65	CES91 = 81
CES17 = 51	CES42 = 76	CES67 = 64	CES92 = 69
CES18 = 57	CES43 = 63	CES68 = 73	CES93 = 81
CES19 = 73	CES44 = 97	CES69 = 83	CES94 = 53
CES20 = 67	CES45 = 74	CES70 = 64	CES95 = 77
CES21 = 88	CES46 = 67	CES71 = 60	CES96 = 79
CES22 = 80	CES47 = 55	CES72 = 87	CES97 = 78
CES23 = 92	CES48 = 42	CES73 = 57	CES98 = 69
CES24 = 92	CES49 = 65	CES74 = 84	CES99 = 60
CES25 = 73	CES50 = 74	CES75 = 60	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)