

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: P1064905

Luminaire Tested: **GLAN-SA7A-850-U-RBC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1064905
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA7A-850-U-RBC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 615mA 7xLight Square PACKAGE
80CRI 5000K FIXTURE w/ RIGHT CORNER BACKLIGHT CONTROL
Light Source: (98) 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20697.4 lumens
Efficiency: N/A
Efficacy: 107.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G3

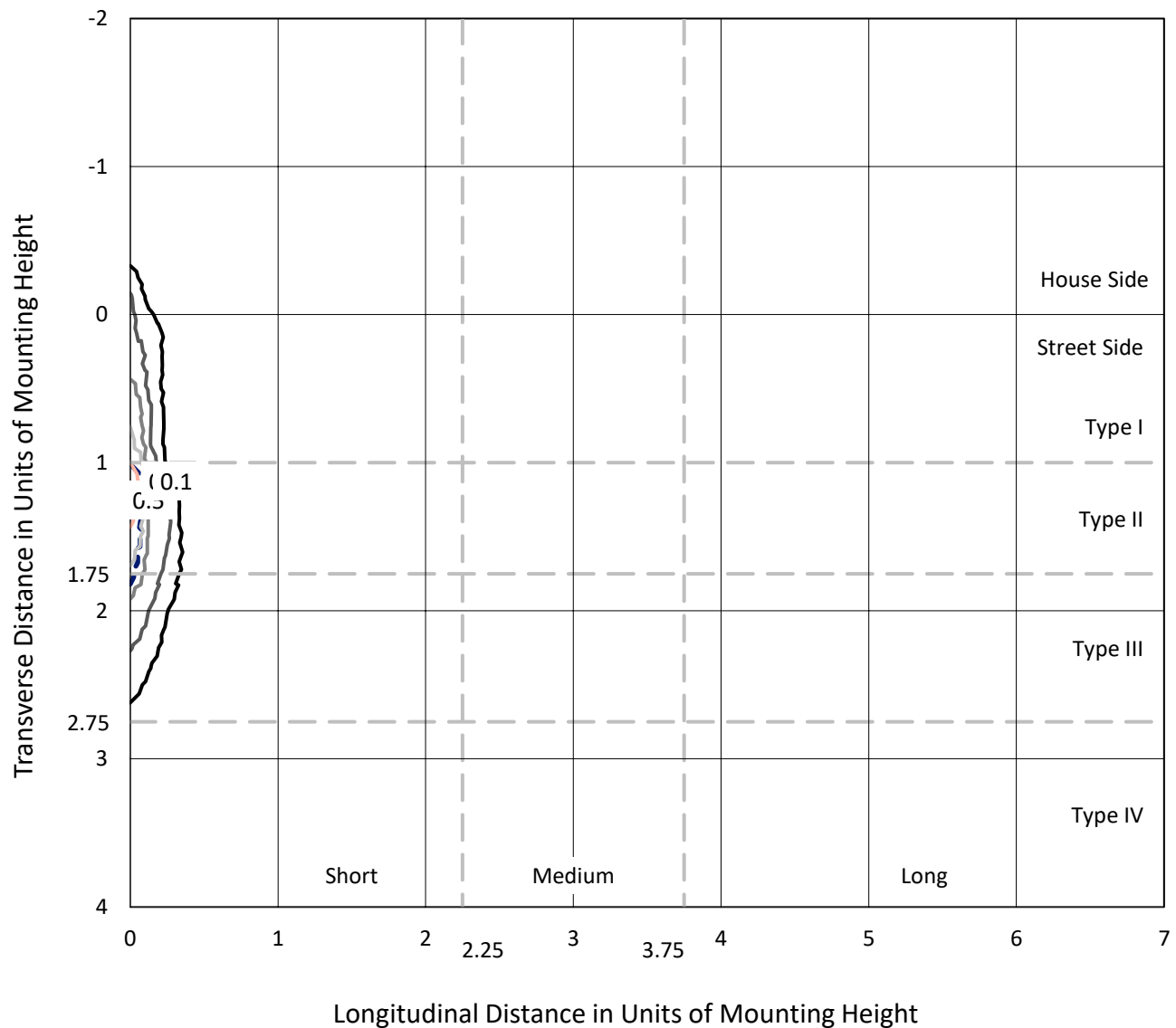
Input Watts (W): 193.1
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

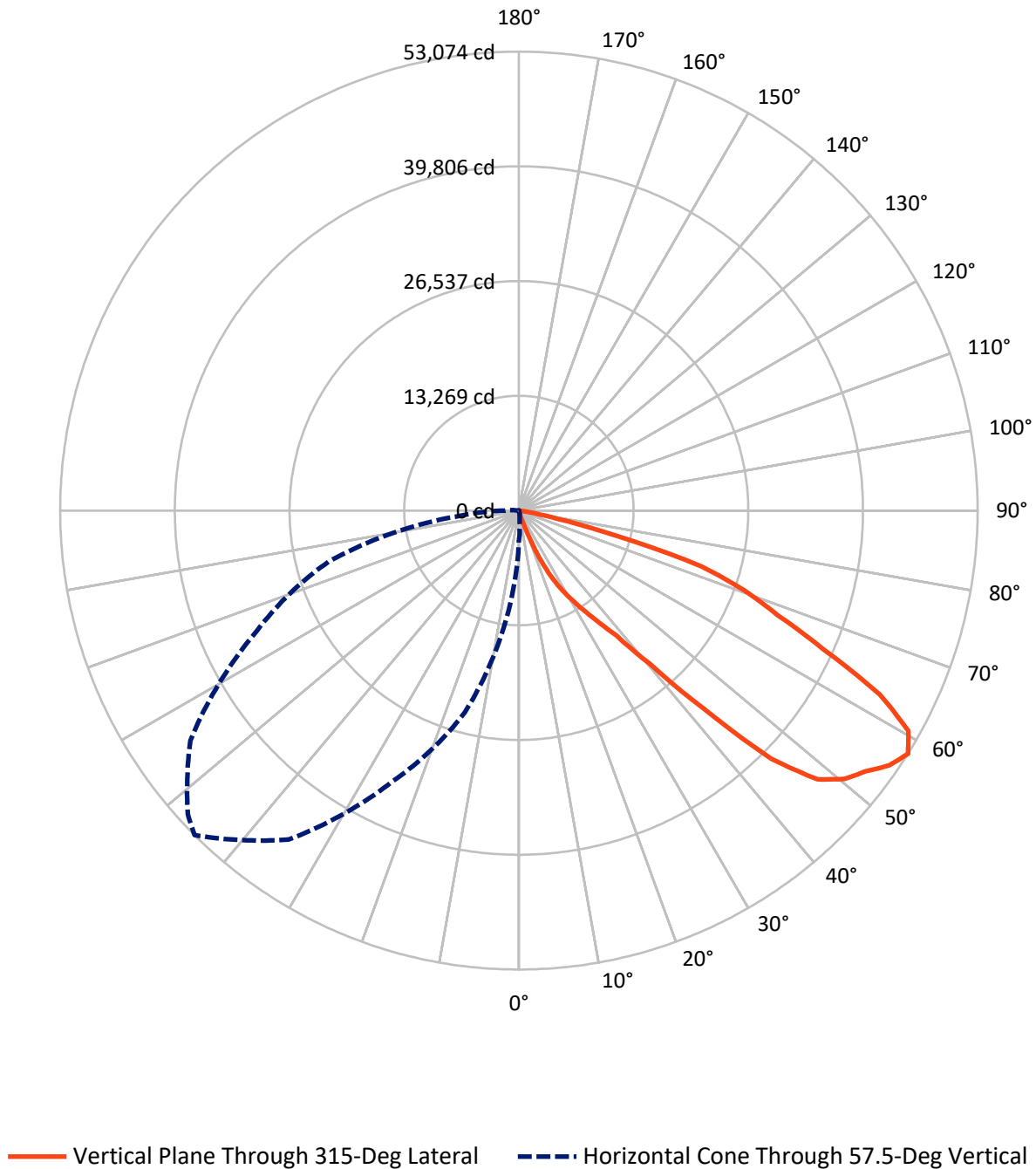
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 3 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	103.6	0.0	103.6
	% Fixture	0.5	0.0	0.5
Street Side	Lumens	20593.8	0.0	20593.8
	% Fixture	99.5	0.0	99.5
Total	Lumens	20697.4	0.0	20697.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.1	0.0
10°-20°	45.5	0.2
20°-30°	490.5	2.4
30°-40°	1450.5	7.0
40°-50°	4322.9	20.9
50°-60°	6854.5	33.1
60°-70°	5721.8	27.6
70°-80°	1764.4	8.5
80°-90°	39.2	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°	20697.4	100.0
0°-180°	20697.4	100.0



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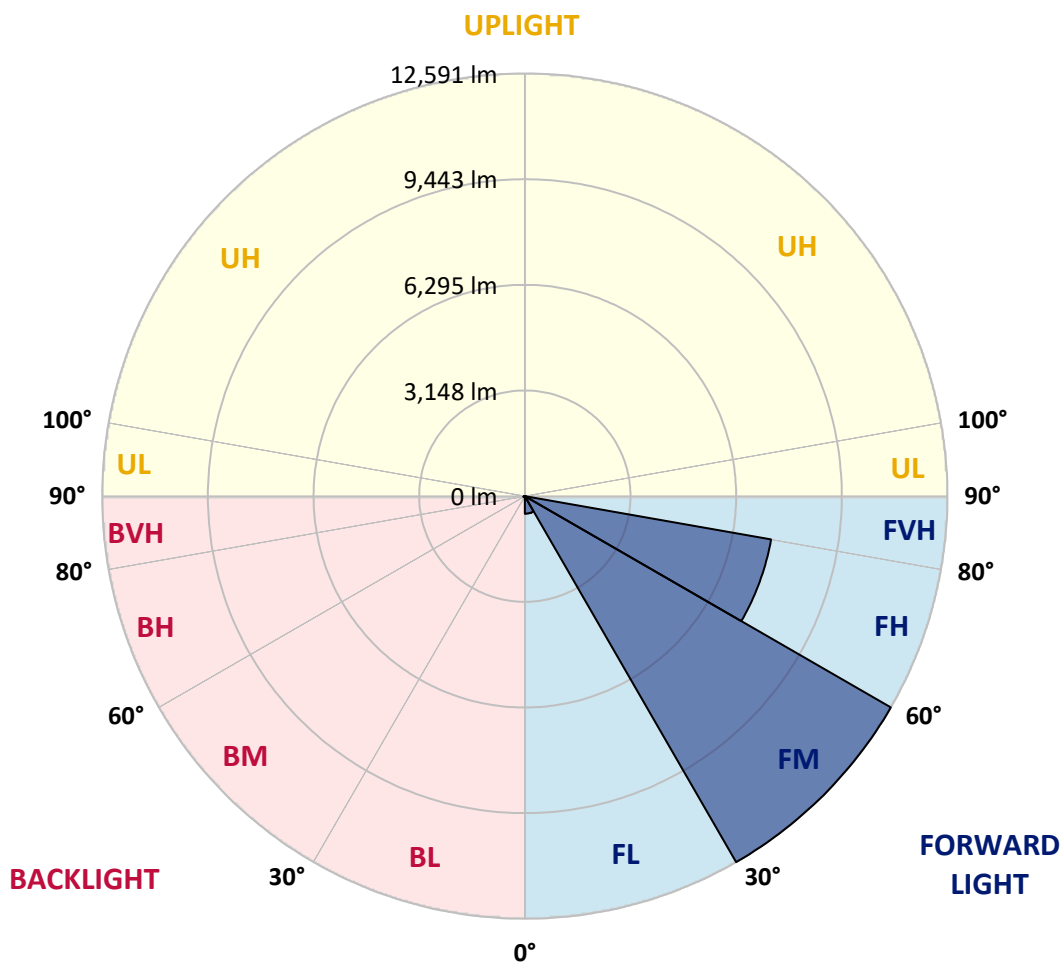
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	525.1	2.5			
FM	(30°-60°)	12590.8	60.8			
FH	(60°-80°)	7447.6	36.0			G3/7500
FVH	(80°-90°)	30.3	0.1			G1/100
BL	(0°-30°)	19.0	0.1	B0/110		
BM	(30°-60°)	37.0	0.2	B0/220		
BH	(60°-80°)	38.7	0.2	B0/110		G0/110
BVH	(80°-90°)	8.9	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



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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°
0°	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
2.5°	82.9	82.9	82.9	82.9	81.3	81.3	79.8	79.8	78.2	78.2
5°	87.6	87.6	86.0	84.5	84.5	82.9	81.3	79.8	79.8	78.2
7.5°	95.4	93.8	92.3	90.7	87.6	86.0	82.9	81.3	79.8	76.6
10°	104.8	101.7	98.5	95.4	92.3	89.2	86.0	84.5	81.3	79.8
12.5°	117.3	112.6	106.4	101.7	98.5	93.8	90.7	87.6	82.9	79.8
15°	128.3	122.0	114.2	107.9	103.2	97.0	92.3	87.6	84.5	79.8
17.5°	143.9	132.9	120.4	112.6	106.4	98.5	90.7	86.0	81.3	75.1
20°	170.5	148.6	125.1	115.7	106.4	97.0	87.6	81.3	76.6	70.4
22.5°	212.7	175.2	137.6	123.6	111.1	97.0	84.5	78.2	71.9	65.7
25°	294.0	226.8	159.5	140.8	122.0	103.2	84.5	76.6	70.4	62.6
27.5°	391.0	290.9	189.3	162.7	137.6	111.1	84.5	75.1	67.3	57.9
30°	489.6	356.6	222.1	187.7	153.3	118.9	84.5	73.5	64.1	53.2
32.5°	583.4	417.6	250.3	209.6	168.9	126.7	86.0	73.5	61.0	48.5
35°	678.8	467.7	254.9	212.7	170.5	126.7	84.5	70.4	57.9	43.8
37.5°	800.8	524.0	245.6	203.3	162.7	120.4	79.8	67.3	54.7	40.7
40°	985.4	617.8	250.3	206.5	162.7	118.9	75.1	62.6	51.6	39.1
42.5°	1326.3	799.2	270.6	220.5	170.5	118.9	68.8	57.9	48.5	37.5
45°	2292.9	1327.9	362.9	287.8	212.7	137.6	62.6	53.2	45.4	36.0
47.5°	3792.9	2222.6	652.2	503.6	356.6	208.0	61.0	53.2	45.4	36.0
50°	4840.8	2831.0	821.1	631.9	442.6	253.4	64.1	54.7	46.9	37.5
52.5°	4833.0	2874.8	915.0	702.3	491.1	278.4	67.3	57.9	50.1	40.7
55°	4296.5	2615.2	932.2	716.4	502.1	286.2	71.9	62.6	53.2	43.8
57.5°	3591.1	2221.0	850.9	658.5	467.7	275.3	82.9	71.9	62.6	51.6
60°	2840.4	1751.8	663.2	524.0	386.3	247.1	109.5	95.4	82.9	68.8
62.5°	1961.4	1270.0	578.7	464.5	351.9	237.7	125.1	111.1	98.5	84.5
65°	1387.3	955.7	522.4	425.4	330.0	233.0	136.1	120.4	106.4	90.7
67.5°	1037.0	760.1	481.7	398.8	315.9	233.0	150.2	131.4	114.2	95.4
70°	794.6	624.1	452.0	384.8	319.1	251.8	184.6	158.0	132.9	106.4
72.5°	647.5	533.4	417.6	369.1	320.6	272.2	223.7	189.3	154.8	118.9
75°	536.5	456.7	376.9	336.3	297.2	256.5	215.8	184.6	154.8	123.6
77.5°	356.6	325.3	292.5	269.0	245.6	220.5	197.1	170.5	145.5	118.9
80°	125.1	120.4	115.7	125.1	134.5	143.9	153.3	134.5	117.3	98.5
82.5°	18.8	17.2	15.6	17.2	18.8	20.3	21.9	23.5	25.0	26.6
85°	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
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

[illegible]



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CANDELA DISTRIBUTION (continued):

25°		27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°
0.0	0°	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
0.0	2.5°	76.6	76.6	75.1	75.1	75.1	73.5	73.5	71.9	71.9	71.9
0.0	5°	75.1	75.1	73.5	71.9	70.4	70.4	68.8	67.3	67.3	65.7
0.0	7.5°	73.5	71.9	70.4	68.8	67.3	65.7	64.1	62.6	62.6	61.0
0.0	10°	75.1	71.9	70.4	67.3	65.7	64.1	61.0	59.4	57.9	57.9
0.0	12.5°	71.9	70.4	67.3	64.1	62.6	59.4	57.9	54.7	53.2	53.2
0.0	15°	71.9	68.8	64.1	61.0	57.9	56.3	53.2	50.1	48.5	46.9
0.0	17.5°	67.3	64.1	59.4	56.3	53.2	50.1	46.9	43.8	42.2	40.7
0.0	20°	61.0	57.9	53.2	48.5	45.4	42.2	39.1	36.0	34.4	32.8
0.0	22.5°	54.7	51.6	46.9	42.2	39.1	36.0	31.3	28.2	26.6	23.5
0.0	25°	51.6	46.9	42.2	37.5	32.8	29.7	25.0	20.3	17.2	14.1
0.0	27.5°	43.8	39.1	34.4	29.7	25.0	20.3	15.6	10.9	7.8	6.3
0.0	30°	37.5	32.8	28.2	23.5	17.2	12.5	7.8	1.6	1.6	1.6
0.0	32.5°	31.3	26.6	20.3	15.6	12.5	7.8	4.7	0.0	0.0	0.0
0.0	35°	25.0	20.3	14.1	9.4	7.8	4.7	3.1	0.0	0.0	0.0
0.0	37.5°	21.9	17.2	10.9	4.7	3.1	3.1	1.6	0.0	0.0	0.0
0.0	40°	20.3	14.1	7.8	1.6	1.6	1.6	0.0	0.0	0.0	0.0
0.0	42.5°	20.3	14.1	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	20.3	14.1	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	20.3	14.1	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	21.9	15.6	7.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	25.0	18.8	12.5	6.3	4.7	3.1	1.6	0.0	0.0	0.0
0.0	55°	31.3	28.2	23.5	20.3	15.6	10.9	4.7	0.0	0.0	0.0
0.0	57.5°	40.7	40.7	39.1	37.5	28.2	18.8	9.4	0.0	0.0	0.0
0.0	60°	54.7	54.7	54.7	54.7	40.7	28.2	14.1	0.0	0.0	0.0
0.0	62.5°	67.3	64.1	59.4	56.3	42.2	28.2	14.1	0.0	0.0	0.0
0.0	65°	67.3	61.0	53.2	45.4	34.4	23.5	10.9	0.0	0.0	0.0
0.0	67.5°	62.6	50.1	36.0	23.5	17.2	12.5	6.3	0.0	0.0	0.0
	70°	62.6	43.8	25.0	6.3	4.7	3.1	1.6	0.0	0.0	0.0
	72.5°	62.6	42.2	20.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	75°	68.8	46.9	23.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	77.5°	68.8	46.9	23.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	80°	61.0	40.7	20.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	82.5°	20.3	14.1	6.3	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
	87.5°	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
	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

[illegible]

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CANDELA DISTRIBUTION (continued):

52.5°		55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°
0.0	0°	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
0.0	2.5°	70.4	70.4	70.4	68.8	68.8	68.8	68.8	67.3	67.3	67.3
0.0	5°	64.1	64.1	62.6	62.6	61.0	61.0	59.4	59.4	57.9	57.9
0.0	7.5°	59.4	57.9	57.9	56.3	54.7	54.7	53.2	53.2	51.6	50.1
0.0	10°	54.7	53.2	53.2	51.6	50.1	48.5	48.5	46.9	45.4	43.8
0.0	12.5°	50.1	48.5	46.9	45.4	43.8	42.2	42.2	40.7	39.1	37.5
0.0	15°	43.8	42.2	40.7	39.1	37.5	36.0	36.0	34.4	32.8	31.3
0.0	17.5°	37.5	36.0	36.0	34.4	32.8	31.3	29.7	26.6	25.0	23.5
0.0	20°	28.2	26.6	25.0	23.5	21.9	18.8	17.2	14.1	10.9	9.4
0.0	22.5°	18.8	15.6	14.1	10.9	7.8	6.3	4.7	1.6	0.0	0.0
0.0	25°	6.3	4.7	3.1	1.6	0.0	0.0	0.0	0.0	0.0	0.0
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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	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	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	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CATALOG NUMBER: GLAN-SA7A-850-U-RBC

[illegible]

REPORT NUMBER: P1064905

CATALOG NUMBER: GLAN-SA7A-850-U-RBC

CANDELA DISTRIBUTION (continued):

80°		82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°
0.0	0°	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
0.0	2.5°	65.7	65.7	65.7	64.1	64.1	64.1	64.1	64.1	64.1	64.1
0.0	5°	56.3	56.3	56.3	54.7	54.7	53.2	53.2	53.2	51.6	51.6
0.0	7.5°	48.5	46.9	46.9	45.4	45.4	43.8	43.8	43.8	42.2	42.2
0.0	10°	40.7	39.1	39.1	37.5	37.5	36.0	36.0	34.4	34.4	32.8
0.0	12.5°	36.0	34.4	32.8	31.3	31.3	29.7	28.2	28.2	26.6	25.0
0.0	15°	28.2	26.6	25.0	23.5	21.9	20.3	18.8	18.8	17.2	15.6
0.0	17.5°	18.8	15.6	14.1	12.5	12.5	10.9	9.4	7.8	6.3	4.7
0.0	20°	4.7	3.1	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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	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	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	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1064905

CATALOG NUMBER: GLAN-SA7A-850-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1064905

CATALOG NUMBER: GLAN-SA7A-850-U-RBC

CANDELA DISTRIBUTION (continued):

107.5°		110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°
0.0	0°	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
0.0	2.5°	64.1	62.6	62.6	62.6	64.1	64.1	64.1	64.1	64.1	64.1
0.0	5°	51.6	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
0.0	7.5°	42.2	40.7	40.7	40.7	40.7	39.1	39.1	39.1	39.1	39.1
0.0	10°	32.8	31.3	31.3	31.3	31.3	29.7	29.7	29.7	29.7	29.7
0.0	12.5°	23.5	23.5	21.9	21.9	21.9	20.3	20.3	20.3	20.3	18.8
0.0	15°	14.1	12.5	10.9	10.9	10.9	9.4	9.4	9.4	9.4	7.8
0.0	17.5°	3.1	3.1	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0
0.0	20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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	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
	70°	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
	75°	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
	80°	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
	85°	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
	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1064905

CATALOG NUMBER: GLAN-SA7A-850-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1064905

CATALOG NUMBER: GLAN-SA7A-850-U-RBC

CANDELA DISTRIBUTION (continued):

135°		137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°
0.0	0°	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
0.0	2.5°	65.7	65.7	67.3	67.3	68.8	71.9	73.5	75.1	78.2	81.3
0.0	5°	51.6	53.2	53.2	54.7	56.3	57.9	59.4	61.0	64.1	67.3
0.0	7.5°	40.7	40.7	42.2	42.2	43.8	46.9	48.5	50.1	53.2	57.9
0.0	10°	31.3	31.3	32.8	32.8	34.4	37.5	39.1	40.7	43.8	48.5
0.0	12.5°	20.3	21.9	21.9	23.5	25.0	28.2	29.7	31.3	34.4	37.5
0.0	15°	9.4	10.9	10.9	12.5	14.1	17.2	18.8	20.3	23.5	28.2
0.0	17.5°	1.6	1.6	3.1	3.1	4.7	6.3	7.8	9.4	14.1	17.2
0.0	20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	6.3
0.0	22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
0.0	25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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	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	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	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1064905

CATALOG NUMBER: GLAN-SA7A-850-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1064905

CATALOG NUMBER: GLAN-SA7A-850-U-RBC

CANDELA DISTRIBUTION (continued):

162.5°		165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°
0.0	0°	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
0.0	2.5°	86.0	89.2	92.3	95.4	98.5	101.7	103.2	106.4	107.9	109.5
0.0	5°	73.5	76.6	81.3	84.5	87.6	90.7	93.8	95.4	97.0	98.5
0.0	7.5°	64.1	67.3	71.9	75.1	78.2	81.3	84.5	87.6	89.2	90.7
0.0	10°	54.7	59.4	62.6	67.3	70.4	73.5	76.6	79.8	82.9	84.5
0.0	12.5°	43.8	48.5	53.2	56.3	61.0	65.7	68.8	71.9	75.1	78.2
0.0	15°	34.4	39.1	43.8	46.9	51.6	56.3	61.0	64.1	67.3	70.4
0.0	17.5°	25.0	29.7	34.4	37.5	42.2	46.9	50.1	54.7	57.9	61.0
0.0	20°	12.5	17.2	21.9	26.6	31.3	36.0	39.1	43.8	46.9	50.1
0.0	22.5°	1.6	6.3	10.9	14.1	18.8	23.5	26.6	31.3	34.4	37.5
0.0	25°	0.0	1.6	4.7	6.3	7.8	10.9	14.1	17.2	20.3	23.5
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	1.6	3.1	6.3	9.4	12.5
0.0	30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1
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	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
	70°	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
	75°	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
	80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
	82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	3.1
	85°	0.0	0.0	0.0	0.0	0.0	3.1	4.7	7.8	9.4	10.9
	87.5°	0.0	1.6	3.1	4.7	6.3	9.4	12.5	15.6	17.2	18.8
	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1064905

CATALOG NUMBER: GLAN-SA7A-850-U-RBC

CANDELA DISTRIBUTION (continued):

190°		165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°
90.7	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
109.5	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100.1	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.3	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.6	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
79.8	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
73.5	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65.7	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
53.2	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40.7	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28.2	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.6	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.7	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0											
0.0											
0.0											
0.0											
1.6											
6.3											
14.1											
20.3											
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REPORT NUMBER: P1064905

CATALOG NUMBER: GLAN-SA7A-850-U-RBC

CANDELA DISTRIBUTION (continued):

190°		192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°
0.0	0°	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
0.0	2.5°	111.1	111.1	111.1	111.1	109.5	109.5	109.5	107.9	107.9	106.4
0.0	5°	101.7	103.2	103.2	103.2	103.2	103.2	103.2	103.2	101.7	101.7
0.0	7.5°	93.8	95.4	97.0	97.0	98.5	98.5	98.5	97.0	97.0	95.4
0.0	10°	89.2	90.7	90.7	92.3	92.3	92.3	92.3	92.3	92.3	92.3
0.0	12.5°	82.9	84.5	86.0	86.0	87.6	87.6	87.6	87.6	86.0	86.0
0.0	15°	75.1	78.2	79.8	81.3	81.3	82.9	82.9	82.9	82.9	82.9
0.0	17.5°	68.8	71.9	73.5	75.1	75.1	76.6	76.6	78.2	78.2	78.2
0.0	20°	56.3	59.4	61.0	64.1	65.7	67.3	68.8	70.4	70.4	71.9
0.0	22.5°	43.8	46.9	48.5	51.6	53.2	54.7	56.3	57.9	59.4	61.0
0.0	25°	31.3	34.4	36.0	39.1	40.7	42.2	43.8	45.4	45.4	46.9
0.0	27.5°	17.2	20.3	23.5	25.0	28.2	29.7	31.3	32.8	34.4	36.0
0.0	30°	7.8	9.4	10.9	14.1	15.6	17.2	18.8	21.9	23.5	25.0
0.0	32.5°	0.0	0.0	1.6	4.7	6.3	7.8	9.4	10.9	10.9	12.5
0.0	35°	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.1	4.7	6.3
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	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
	70°	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
	75°	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
	80°	3.1	3.1	3.1	4.7	4.7	4.7	4.7	4.7	4.7	4.7
	82.5°	7.8	9.4	10.9	10.9	12.5	12.5	12.5	12.5	10.9	10.9
	85°	15.6	17.2	18.8	18.8	20.3	20.3	20.3	20.3	20.3	20.3
	87.5°	21.9	23.5	25.0	25.0	26.6	26.6	26.6	26.6	26.6	26.6
	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1064905

CATALOG NUMBER: GLAN-SA7A-850-U-RBC

CANDELA DISTRIBUTION (continued):

217.5°		192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°
90.7	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
106.4	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
101.7	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95.4	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.3	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
86.0	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.9	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
78.2	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70.4	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61.0	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48.5	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26.6	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.6	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.4	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.1	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.1	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.6	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.6	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.6	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.6	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.6	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0											
0.0											
0.0											
0.0											
4.7											
10.9											
20.3											
26.6											
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REPORT NUMBER: P1064905

CATALOG NUMBER: GLAN-SA7A-850-U-RBC

CANDELA DISTRIBUTION (continued):

217.5°		220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°
0.0	0°	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
0.0	2.5°	104.8	104.8	103.2	103.2	103.2	103.2	103.2	104.8	106.4	106.4
0.0	5°	100.1	100.1	98.5	98.5	98.5	100.1	100.1	101.7	103.2	104.8
0.0	7.5°	95.4	93.8	93.8	95.4	95.4	97.0	97.0	98.5	100.1	101.7
0.0	10°	92.3	90.7	90.7	90.7	92.3	92.3	93.8	95.4	97.0	98.5
0.0	12.5°	86.0	86.0	86.0	86.0	87.6	87.6	89.2	90.7	93.8	95.4
0.0	15°	82.9	81.3	81.3	81.3	81.3	82.9	82.9	86.0	89.2	90.7
0.0	17.5°	76.6	76.6	75.1	75.1	76.6	76.6	78.2	81.3	84.5	86.0
0.0	20°	70.4	68.8	67.3	67.3	68.8	68.8	70.4	73.5	76.6	78.2
0.0	22.5°	61.0	59.4	59.4	59.4	59.4	61.0	61.0	64.1	68.8	71.9
0.0	25°	48.5	50.1	50.1	51.6	51.6	53.2	54.7	57.9	62.6	65.7
0.0	27.5°	37.5	39.1	39.1	42.2	43.8	45.4	46.9	51.6	56.3	59.4
0.0	30°	28.2	29.7	31.3	32.8	36.0	39.1	42.2	46.9	51.6	54.7
0.0	32.5°	17.2	20.3	21.9	25.0	28.2	31.3	34.4	39.1	45.4	50.1
0.0	35°	12.5	14.1	17.2	18.8	21.9	25.0	28.2	34.4	39.1	45.4
0.0	37.5°	6.3	9.4	12.5	15.6	18.8	21.9	25.0	31.3	37.5	42.2
0.0	40°	4.7	7.8	9.4	12.5	17.2	20.3	23.5	29.7	36.0	42.2
0.0	42.5°	3.1	4.7	6.3	10.9	14.1	18.8	23.5	29.7	36.0	42.2
0.0	45°	3.1	3.1	4.7	9.4	14.1	20.3	25.0	31.3	36.0	42.2
0.0	47.5°	3.1	4.7	6.3	12.5	15.6	20.3	25.0	29.7	36.0	40.7
0.0	50°	4.7	6.3	7.8	14.1	17.2	21.9	25.0	31.3	36.0	42.2
0.0	52.5°	3.1	4.7	6.3	12.5	17.2	23.5	28.2	34.4	40.7	45.4
0.0	55°	1.6	1.6	1.6	9.4	18.8	26.6	36.0	40.7	46.9	51.6
0.0	57.5°	0.0	0.0	0.0	6.3	18.8	29.7	40.7	46.9	53.2	57.9
0.0	60°	0.0	0.0	0.0	6.3	18.8	29.7	40.7	48.5	56.3	64.1
0.0	62.5°	0.0	0.0	0.0	6.3	15.6	25.0	34.4	46.9	61.0	73.5
0.0	65°	0.0	0.0	0.0	4.7	12.5	20.3	28.2	46.9	65.7	82.9
0.0	67.5°	0.0	0.0	0.0	4.7	12.5	18.8	26.6	46.9	65.7	86.0
	70°	0.0	0.0	0.0	4.7	12.5	20.3	28.2	46.9	65.7	84.5
	72.5°	0.0	0.0	0.0	4.7	14.1	21.9	31.3	46.9	62.6	78.2
	75°	0.0	0.0	0.0	6.3	14.1	23.5	32.8	46.9	61.0	73.5
	77.5°	0.0	0.0	0.0	4.7	14.1	21.9	31.3	45.4	59.4	71.9
	80°	4.7	3.1	3.1	7.8	14.1	20.3	26.6	40.7	56.3	70.4
	82.5°	9.4	9.4	7.8	10.9	14.1	18.8	23.5	36.0	50.1	62.6
	85°	18.8	18.8	17.2	18.8	18.8	20.3	21.9	28.2	34.4	40.7
	87.5°	25.0	25.0	23.5	23.5	23.5	21.9	21.9	21.9	21.9	20.3
	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1064905

CATALOG NUMBER: GLAN-SA7A-850-U-RBC

CANDELA DISTRIBUTION (continued):

245°		220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°
90.7	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.9	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
106.4	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
103.2	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100.1	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.0	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
93.8	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
89.2	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
81.3	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75.1	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
68.8	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
64.1	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59.4	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
54.7	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50.1	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48.5	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48.5	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48.5	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
46.9	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45.4	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
46.9	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
51.6	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
56.3	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
64.1	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
71.9	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
86.0	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
101.7	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
104.8	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
103.2											
93.8											
87.6											
86.0											
84.5											
75.1											
46.9											
20.3											
0.0											
0.0											
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0.0											

REPORT NUMBER: P1064905

CATALOG NUMBER: GLAN-SA7A-850-U-RBC

CANDELA DISTRIBUTION (continued):

245°		247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°
0.0	0°	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
0.0	2.5°	109.5	111.1	111.1	112.6	114.2	115.7	115.7	117.3	117.3	117.3
0.0	5°	107.9	111.1	112.6	114.2	115.7	117.3	118.9	120.4	122.0	122.0
0.0	7.5°	106.4	107.9	111.1	112.6	115.7	117.3	120.4	122.0	123.6	125.1
0.0	10°	103.2	106.4	109.5	112.6	115.7	118.9	122.0	125.1	128.3	129.8
0.0	12.5°	100.1	104.8	107.9	111.1	115.7	120.4	123.6	128.3	131.4	134.5
0.0	15°	98.5	101.7	106.4	109.5	115.7	122.0	126.7	132.9	139.2	143.9
0.0	17.5°	93.8	100.1	104.8	109.5	115.7	123.6	129.8	136.1	145.5	154.8
0.0	20°	87.6	92.3	98.5	103.2	112.6	120.4	129.8	137.6	151.7	165.8
0.0	22.5°	81.3	87.6	92.3	98.5	109.5	118.9	129.8	139.2	162.7	184.6
0.0	25°	75.1	82.9	89.2	95.4	107.9	120.4	132.9	145.5	184.6	223.7
0.0	27.5°	71.9	78.2	86.0	92.3	107.9	125.1	140.8	156.4	219.0	280.0
0.0	30°	67.3	75.1	81.3	89.2	109.5	129.8	150.2	170.5	265.9	361.3
0.0	32.5°	62.6	70.4	78.2	86.0	112.6	139.2	164.2	190.8	315.9	439.5
0.0	35°	57.9	67.3	75.1	82.9	117.3	153.3	187.7	222.1	361.3	498.9
0.0	37.5°	56.3	65.7	73.5	81.3	118.9	154.8	192.4	228.4	366.0	503.6
0.0	40°	57.9	65.7	75.1	82.9	114.2	145.5	175.2	206.5	350.4	492.7
0.0	42.5°	57.9	67.3	76.6	86.0	111.1	136.1	161.1	186.1	345.7	505.2
0.0	45°	56.3	65.7	75.1	84.5	107.9	129.8	153.3	175.2	373.8	570.9
0.0	47.5°	54.7	64.1	73.5	82.9	106.4	129.8	153.3	176.7	483.3	788.3
0.0	50°	54.7	64.1	71.9	79.8	107.9	137.6	165.8	193.9	703.8	1212.2
0.0	52.5°	57.9	65.7	71.9	78.2	111.1	145.5	178.3	211.2	894.7	1576.6
0.0	55°	62.6	67.3	73.5	78.2	118.9	158.0	198.6	237.7	952.5	1667.3
0.0	57.5°	68.8	73.5	78.2	82.9	132.9	183.0	231.5	281.5	957.2	1631.3
0.0	60°	76.6	82.9	87.6	92.3	145.5	200.2	253.4	306.6	866.5	1424.9
0.0	62.5°	93.8	101.7	107.9	115.7	167.4	217.4	269.0	319.1	719.5	1119.9
0.0	65°	107.9	114.2	120.4	126.7	176.7	228.4	278.4	328.5	610.0	891.5
0.0	67.5°	111.1	117.3	122.0	128.3	179.9	231.5	281.5	333.2	522.4	710.1
	70°	112.6	120.4	129.8	137.6	190.8	244.0	295.6	348.8	463.0	577.1
	72.5°	107.9	123.6	137.6	151.7	201.8	250.3	300.3	348.8	430.1	511.5
	75°	107.9	129.8	150.2	170.5	208.0	244.0	281.5	317.5	380.1	442.6
	77.5°	114.2	142.3	170.5	198.6	220.5	240.9	262.8	283.1	323.8	364.4
	80°	114.2	143.9	172.0	201.8	211.2	222.1	231.5	240.9	245.6	250.3
	82.5°	98.5	122.0	145.5	168.9	158.0	147.0	136.1	125.1	117.3	107.9
	85°	50.1	54.7	57.9	61.0	56.3	51.6	46.9	42.2	39.1	34.4
	87.5°	20.3	20.3	18.8	18.8	18.8	18.8	17.2	17.2	17.2	17.2
	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1064905

CATALOG NUMBER: GLAN-SA7A-850-U-RBC

CANDELA DISTRIBUTION (continued):

272.5°		247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°
90.7	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.3	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.0	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
126.7	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.9	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
139.2	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
151.7	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.4	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
192.4	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
245.6	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
333.2	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
463.0	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
627.2	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
783.6	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
890.0	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
969.7	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1049.5	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1205.9	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1518.7	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2314.8	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3545.8	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4463.9	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4565.6	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4119.8	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3522.3	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2752.8	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2080.2	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1535.9	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1087.0											
808.6											
588.1											
442.6											
248.7											
112.6											
32.8											
15.6											
0.0											
0.0											
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REPORT NUMBER: P1064905

CATALOG NUMBER: GLAN-SA7A-850-U-RBC

CANDELA DISTRIBUTION (continued):

272.5°		275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°
0.0	0°	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
0.0	2.5°	117.3	115.7	115.7	114.2	112.6	111.1	109.5	107.9	106.4	104.8
0.0	5°	122.0	122.0	122.0	120.4	120.4	118.9	118.9	117.3	115.7	114.2
0.0	7.5°	126.7	128.3	128.3	129.8	129.8	129.8	129.8	128.3	128.3	128.3
0.0	10°	134.5	136.1	137.6	139.2	140.8	142.3	142.3	143.9	143.9	143.9
0.0	12.5°	143.9	148.6	151.7	156.4	159.5	164.2	167.4	172.0	175.2	178.3
0.0	15°	158.0	165.8	175.2	183.0	190.8	201.8	214.3	225.2	236.2	253.4
0.0	17.5°	178.3	203.3	228.4	251.8	276.8	331.6	386.3	439.5	494.3	574.0
0.0	20°	217.4	292.5	366.0	441.1	514.6	707.0	897.8	1090.2	1281.0	1485.9
0.0	22.5°	305.0	489.6	674.1	858.7	1043.2	1445.2	1845.6	2247.6	2648.0	3118.8
0.0	25°	442.6	782.0	1121.4	1459.3	1798.7	2427.5	3057.8	3686.5	4315.3	4926.9
0.0	27.5°	644.4	1163.7	1683.0	2200.7	2719.9	3572.4	4426.4	5278.8	6131.2	6822.5
0.0	30°	893.1	1596.9	2300.8	3004.6	3708.4	4678.2	5647.9	6616.1	7585.8	8341.3
0.0	32.5°	1127.7	1989.5	2851.3	3711.6	4573.4	5677.6	6783.4	7887.7	8991.9	9817.8
0.0	35°	1281.0	2322.7	3365.9	4407.6	5449.3	6644.2	7839.2	9032.6	10227.6	11170.7
0.0	37.5°	1434.3	2637.0	3838.3	5041.0	6242.3	7554.5	8866.8	10179.1	11491.3	12656.6
0.0	40°	1606.3	3017.1	4426.4	5837.2	7246.4	8801.1	10354.2	11908.9	13462.1	15105.9
0.0	42.5°	1905.1	3647.4	5391.4	7133.8	8876.2	10933.0	12989.7	15044.9	17101.7	19447.8
0.0	45°	2466.6	4922.2	7379.4	9835.0	12290.6	15015.2	17741.4	20466.1	23190.7	26312.6
0.0	47.5°	3841.4	7219.8	10596.7	13975.1	17352.0	20294.0	23234.5	26176.5	29117.0	32226.4
0.0	50°	5877.8	9809.9	13742.1	17672.6	21604.7	24266.8	26927.3	29589.4	32249.9	35207.6
0.0	52.5°	7351.2	11447.5	15545.4	19641.8	23738.1	26140.6	28544.6	30947.0	33349.4	36113.2
0.0	55°	7462.3	11535.1	15609.6	19682.4	23755.3	26168.7	28582.1	30995.5	33408.9	36338.4
0.0	57.5°	6606.7	10646.7	14685.2	18725.2	22763.7	25511.8	28258.3	31006.4	33753.0	36920.2
0.0	60°	5619.8	9661.4	13701.4	17743.0	21783.0	24948.7	28116.0	31281.7	34447.4	37414.5
0.0	62.5°	4384.1	8541.5	12700.4	16857.7	21015.0	24229.2	27443.4	30656.1	33870.3	36096.0
0.0	65°	3267.4	7304.3	11341.2	15376.5	19413.4	21987.9	24562.4	27135.3	29709.8	31087.8
0.0	67.5°	2361.8	5843.4	9323.5	12805.2	16285.3	18127.7	19970.2	21811.2	23653.7	24707.9
	70°	1596.9	4008.8	6419.0	8830.8	11241.1	12755.1	14270.7	15784.7	17298.8	18722.1
	72.5°	1105.8	2460.3	3816.4	5170.9	6525.4	8048.8	9570.6	11094.1	12615.9	14122.1
	75°	733.6	1349.8	1967.6	2583.9	3200.1	4327.8	5457.1	6584.8	7712.5	8610.3
	77.5°	520.8	705.4	891.5	1076.1	1260.7	1471.8	1684.5	1895.7	2106.8	2427.5
	80°	247.1	270.6	294.0	315.9	339.4	416.0	492.7	569.3	646.0	727.3
	82.5°	117.3	126.7	136.1	143.9	153.3	161.1	168.9	176.7	184.6	176.7
	85°	31.3	31.3	32.8	32.8	32.8	32.8	32.8	32.8	32.8	31.3
	87.5°	14.1	14.1	14.1	14.1	14.1	14.1	14.1	12.5	12.5	10.9
	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

300°		275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°
90.7	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
103.2	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
112.6	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
126.7	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145.5	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
179.9	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
272.2	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
652.2	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1692.3	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3589.6	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5538.4	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7513.9	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9098.3	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10645.2	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12113.8	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13823.4	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16749.8	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21794.0	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29434.5	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35335.8	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38165.2	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38876.9	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39269.5	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40087.5	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40380.0	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38323.2	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32467.3	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25763.6	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20143.9											
15628.3											
9508.1											
2748.1											
808.6											
167.4											
29.7											
10.9											
0.0											
0.0											
0.0											
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CANDELA DISTRIBUTION (continued):

300°		302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°
0.0	0°	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
0.0	2.5°	101.7	100.1	98.5	97.0	95.4	92.3	92.3	90.7	90.7
0.0	5°	111.1	109.5	107.9	106.4	106.4	104.8	103.2	103.2	101.7
0.0	7.5°	126.7	125.1	123.6	122.0	122.0	120.4	120.4	118.9	118.9
0.0	10°	145.5	145.5	145.5	145.5	145.5	143.9	143.9	143.9	142.3
0.0	12.5°	183.0	184.6	187.7	190.8	195.5	195.5	195.5	193.9	193.9
0.0	15°	289.4	306.6	319.1	331.6	342.5	367.6	364.4	359.7	356.6
0.0	17.5°	732.0	810.2	852.4	893.1	935.3	1051.1	1032.3	1013.5	996.3
0.0	20°	1897.2	2102.1	2238.2	2374.3	2511.9	2729.3	2676.1	2623.0	2569.8
0.0	22.5°	4058.8	4529.6	4734.5	4939.4	5142.7	5405.5	5235.0	5064.5	4895.6
0.0	25°	6148.4	6760.0	7105.6	7451.3	7795.4	7945.6	7723.5	7499.8	7277.7
0.0	27.5°	8205.2	8896.5	9201.5	9504.9	9809.9	10124.3	9849.0	9572.2	9296.9
0.0	30°	9853.7	10609.2	10939.2	11267.7	11597.7	11816.7	11532.0	11245.8	10961.1
0.0	32.5°	11471.0	12296.8	12658.1	13019.4	13379.2	13693.6	13343.2	12991.3	12640.9
0.0	35°	13055.4	13998.6	14495.9	14993.3	15490.7	15783.2	15367.1	14949.5	14533.5
0.0	37.5°	14988.6	16153.9	16710.7	17267.5	17824.3	18357.7	17899.4	17439.5	16981.3
0.0	40°	18393.6	20037.5	20891.5	21747.0	22601.0	23289.2	22710.5	22131.8	21553.1
0.0	42.5°	24140.1	26486.2	27714.0	28940.3	30168.1	31242.6	30634.2	30025.7	29417.3
0.0	45°	32556.4	35678.3	37175.2	38670.4	40167.3	40952.4	40076.6	39199.1	38323.2
0.0	47.5°	38443.6	41553.0	42885.7	44218.3	45550.9	46447.1	45375.7	44304.3	43234.4
0.0	50°	41121.4	44079.0	45416.3	46752.1	48089.4	48801.0	47563.8	46325.1	45087.9
0.0	52.5°	41639.1	44402.8	45998.2	47595.1	49190.5	50141.4	48680.6	47218.2	45757.3
0.0	55°	42199.0	45128.5	46978.9	48830.7	50681.1	51998.0	50346.3	48693.1	47041.4
0.0	57.5°	43253.2	46420.5	48266.1	50110.2	51955.8	53074.1	51417.7	49759.8	48103.4
0.0	60°	43347.1	46312.6	47898.5	49486.1	51072.1	51775.9	50191.5	48605.5	47021.1
0.0	62.5°	40548.9	42774.6	43875.7	44976.8	46077.9	46842.8	45189.5	43534.7	41881.5
0.0	65°	33845.2	35223.2	36100.6	36978.1	37855.6	38767.4	37253.4	35739.3	34225.3
0.0	67.5°	26817.8	27872.0	29027.9	30183.7	31339.6	32314.0	31101.8	29888.1	28675.9
	70°	21567.2	22988.9	24288.7	25588.4	26888.2	27685.9	26469.0	25250.6	24033.7
	72.5°	17134.6	18640.8	19726.2	20810.2	21895.6	22091.1	21196.5	20301.8	19408.7
	75°	10404.3	11302.1	11324.0	11344.3	11366.2	11552.3	10811.0	10069.6	9329.8
	77.5°	3068.7	3389.4	3653.7	3916.5	4180.8	4499.9	4227.7	3954.0	3681.9
	80°	888.4	969.7	1038.6	1105.8	1174.6	1134.0	1069.8	1005.7	941.6
	82.5°	159.5	150.2	148.6	147.0	147.0	139.2	126.7	114.2	101.7
	85°	28.2	26.6	25.0	23.5	21.9	20.3	17.2	15.6	12.5
	87.5°	9.4	7.8	6.3	4.7	4.7	1.6	1.6	1.6	0.0
	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CATALOG NUMBER: GLAN-SA7A-850-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1064905

CATALOG NUMBER: GLAN-SA7A-850-U-RBC

CANDELA DISTRIBUTION (continued):

325°	327.5°		330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°
0.0	0.0	0°	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
0.0	0.0	2.5°	89.2	87.6	87.6	87.6	87.6	86.0	86.0	86.0	86.0
0.0	0.0	5°	98.5	98.5	97.0	97.0	95.4	95.4	93.8	93.8	92.3
0.0	0.0	7.5°	115.7	114.2	112.6	111.1	109.5	106.4	104.8	103.2	103.2
0.0	0.0	10°	139.2	136.1	134.5	131.4	129.8	126.7	123.6	120.4	117.3
0.0	0.0	12.5°	183.0	176.7	172.0	165.8	159.5	154.8	148.6	143.9	137.6
0.0	0.0	15°	317.5	301.9	284.7	264.3	242.4	222.1	200.2	187.7	173.6
0.0	0.0	17.5°	811.8	730.4	647.5	580.3	513.0	447.3	380.1	331.6	283.1
0.0	0.0	20°	2066.2	1840.9	1615.7	1393.6	1169.9	947.8	724.2	611.6	498.9
0.0	0.0	22.5°	3888.3	3470.7	3051.5	2646.4	2239.8	1834.7	1429.6	1174.6	921.2
0.0	0.0	25°	6001.4	5475.9	4950.3	4284.0	3616.2	2949.9	2283.6	1869.1	1454.6
0.0	0.0	27.5°	7809.5	7204.2	6598.9	5788.7	4978.5	4168.3	3358.1	2740.3	2124.0
0.0	0.0	30°	9375.1	8724.5	8073.8	7130.7	6187.5	5244.4	4301.2	3528.6	2755.9
0.0	0.0	32.5°	10732.8	9953.8	9174.9	8202.1	7229.2	6256.3	5283.5	4335.6	3387.8
0.0	0.0	35°	12298.4	11389.7	10479.4	9400.2	8319.4	7240.2	6160.9	5091.1	4019.7
0.0	0.0	37.5°	14287.9	13172.7	12056.0	10853.2	9650.4	8449.2	7246.4	6023.3	4800.2
0.0	0.0	40°	18096.5	16657.5	15218.5	13690.4	12160.8	10632.7	9104.5	7603.0	6101.5
0.0	0.0	42.5°	24920.6	22976.4	21032.3	18998.9	16964.1	14930.8	12895.9	10778.1	8658.8
0.0	0.0	45°	32622.1	30210.3	27796.9	25514.9	23231.4	20949.4	18667.4	15761.3	12855.2
0.0	0.0	47.5°	36953.1	34348.9	31744.7	29584.7	27424.7	25264.7	23104.7	19971.8	16838.9
0.0	0.0	50°	38546.9	35895.8	33244.6	31256.7	29267.2	27279.2	25289.7	22152.1	19013.0
0.0	0.0	52.5°	38886.3	36182.0	33477.7	31477.2	29476.7	27477.8	25477.4	22360.2	19242.9
0.0	0.0	55°	39583.9	36682.5	33779.5	31499.1	29218.7	26938.2	24657.8	21490.5	18323.3
0.0	0.0	57.5°	40495.7	37520.8	34545.9	31948.0	29350.1	26753.7	24155.7	20692.8	17230.0
0.0	0.0	60°	40256.4	37667.9	35077.7	32295.2	29511.2	26728.7	23944.6	20136.0	16325.9
0.0	0.0	62.5°	36102.2	34040.7	31977.7	29689.5	27399.6	25111.4	22823.1	18902.0	14980.8
0.0	0.0	65°	29700.4	28195.8	26691.1	24850.2	23007.7	21166.8	19325.8	15809.8	12295.3
0.0	0.0	67.5°	24071.3	22375.8	20678.8	19211.7	17743.0	16275.9	14807.2	12040.3	9273.5
		70°	19124.1	17280.0	15434.4	14001.7	12567.4	11134.7	9702.0	7862.7	6024.9
		72.5°	15187.3	13524.6	11862.0	10333.9	8804.2	7276.1	5746.4	4659.4	3572.4
		75°	7258.9	6594.2	5929.4	5130.2	4331.0	3531.7	2732.5	2258.5	1786.2
		77.5°	2690.2	2332.1	1972.3	1647.0	1321.7	997.9	672.6	616.2	559.9
		80°	696.0	606.9	516.1	452.0	386.3	322.2	258.1	233.0	209.6
		82.5°	79.8	73.5	68.8	65.7	61.0	57.9	53.2	48.5	43.8
		85°	4.7	3.1	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
		90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

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REPORT NUMBER: P1064905

CATALOG NUMBER: GLAN-SA7A-850-U-RBC

CANDELA DISTRIBUTION (continued):

352.5°	355°		357.5°	360°
0.0	0.0	0°	90.7	90.7
0.0	0.0	2.5°	84.5	82.9
0.0	0.0	5°	89.2	87.6
0.0	0.0	7.5°	98.5	95.4
0.0	0.0	10°	107.9	104.8
0.0	0.0	12.5°	122.0	117.3
0.0	0.0	15°	137.6	128.3
0.0	0.0	17.5°	164.2	143.9
0.0	0.0	20°	222.1	170.5
0.0	0.0	22.5°	312.8	212.7
0.0	0.0	25°	459.8	294.0
0.0	0.0	27.5°	639.7	391.0
0.0	0.0	30°	850.9	489.6
0.0	0.0	32.5°	1037.0	583.4
0.0	0.0	35°	1279.4	678.8
0.0	0.0	37.5°	1578.2	800.8
0.0	0.0	40°	2041.1	985.4
0.0	0.0	42.5°	2874.8	1326.3
0.0	0.0	45°	4668.8	2292.9
0.0	0.0	47.5°	7183.8	3792.9
0.0	0.0	50°	8788.6	4840.8
0.0	0.0	52.5°	8920.0	4833.0
0.0	0.0	55°	8142.6	4296.5
0.0	0.0	57.5°	6947.7	3591.1
0.0	0.0	60°	5774.6	2840.4
0.0	0.0	62.5°	4549.9	1961.4
0.0	0.0	65°	3325.2	1387.3
0.0	0.0	67.5°	2388.4	1037.0
		70°	1570.3	794.6
		72.5°	1022.9	647.5
		75°	688.2	536.5
		77.5°	402.0	356.6
		80°	142.3	125.1
		82.5°	26.6	18.8
		85°	0.0	0.0
		87.5°	0.0	0.0
		90°	0.0	0.0
		92.5°	0.0	0.0
		95°	0.0	0.0
		97.5°	0.0	0.0
		100°	0.0	0.0
		102.5°	0.0	0.0
		105°	0.0	0.0
		107.5°	0.0	0.0
		110°	0.0	0.0



REPORT NUMBER: P1064905

CATALOG NUMBER: GLAN-SA7A-850-U-RBC

CANDELA DISTRIBUTION (continued):

	357.5°	360°
112.5°	0.0	0.0
115°	0.0	0.0
117.5°	0.0	0.0
120°	0.0	0.0
122.5°	0.0	0.0
125°	0.0	0.0
127.5°	0.0	0.0
130°	0.0	0.0
132.5°	0.0	0.0
135°	0.0	0.0
137.5°	0.0	0.0
140°	0.0	0.0
142.5°	0.0	0.0
145°	0.0	0.0
147.5°	0.0	0.0
150°	0.0	0.0
152.5°	0.0	0.0
155°	0.0	0.0
157.5°	0.0	0.0
160°	0.0	0.0
162.5°	0.0	0.0
165°	0.0	0.0
167.5°	0.0	0.0
170°	0.0	0.0
172.5°	0.0	0.0
175°	0.0	0.0
177.5°	0.0	0.0
180°	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: SP1-2407-184-12

Test Date: 10/11/2024

Luminaire Tested: GSS-SB1A-850-U-5WQ

Data in this report applies to families of products including GSS-SB1A-850-U-5WQ

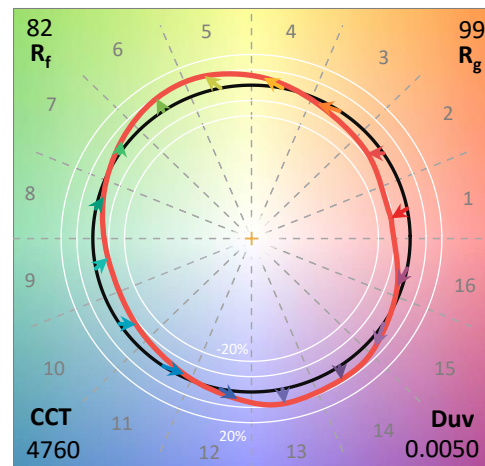
Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-12
 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-850-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI
 5000K CCT 26 LEDS

Spectral Parameters

CCT (K): 4760
 CIE u' : 0.2107
 CIE v' : 0.4939
 Duv: 0.0050
 CIE x: 0.3537
 CIE y: 0.3685
 CIE z: 0.2779
 Peak Wavelength (nm): 443
 Dominant Wavelength (nm): 571
 Purity: 16.69598
 R_f: 82
 R_g: 99.4

CRI (Ra): 81.1
 R1: 79.8
 R2: 83.5
 R3: 87.9
 R4: 83.1
 R5: 80.5
 R6: 79.1
 R7: 86.1
 R8: 69.0
 R9: 8.7
 R10: 62.4
 R11: 83.8
 R12: 63.0
 R13: 79.9
 R14: 93.3
 R15: 72.7



Test Conditions

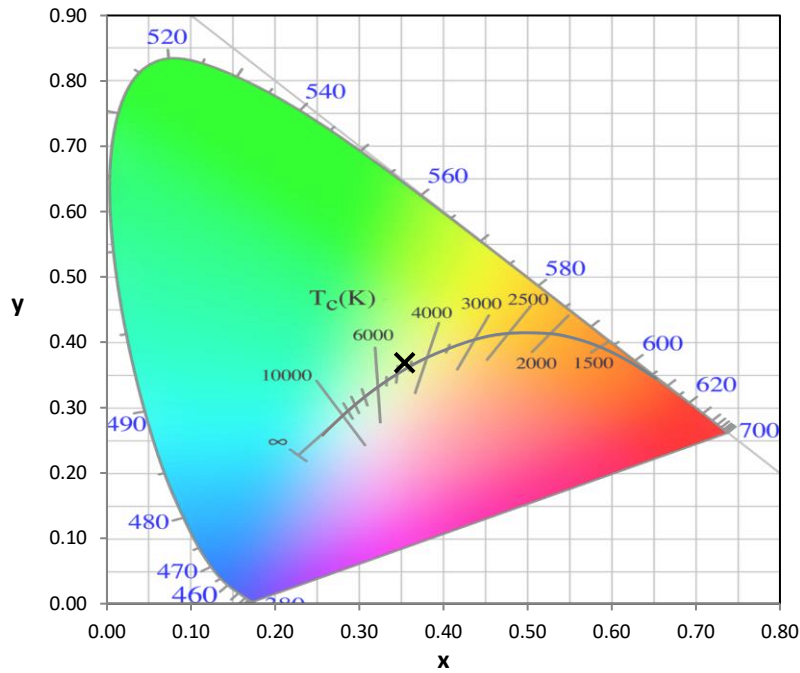
Stabilization Time: 21M
 Operation Time: 1H 21M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-12

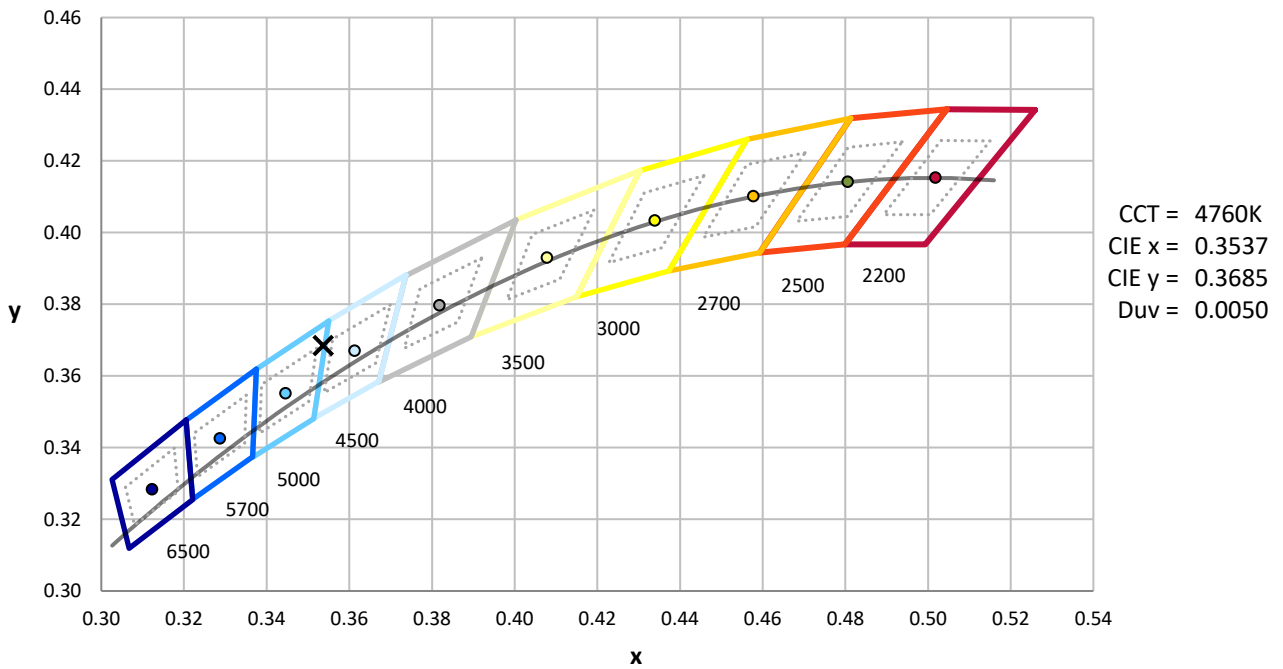
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-12

CIE 1931 Chromaticity Diagram



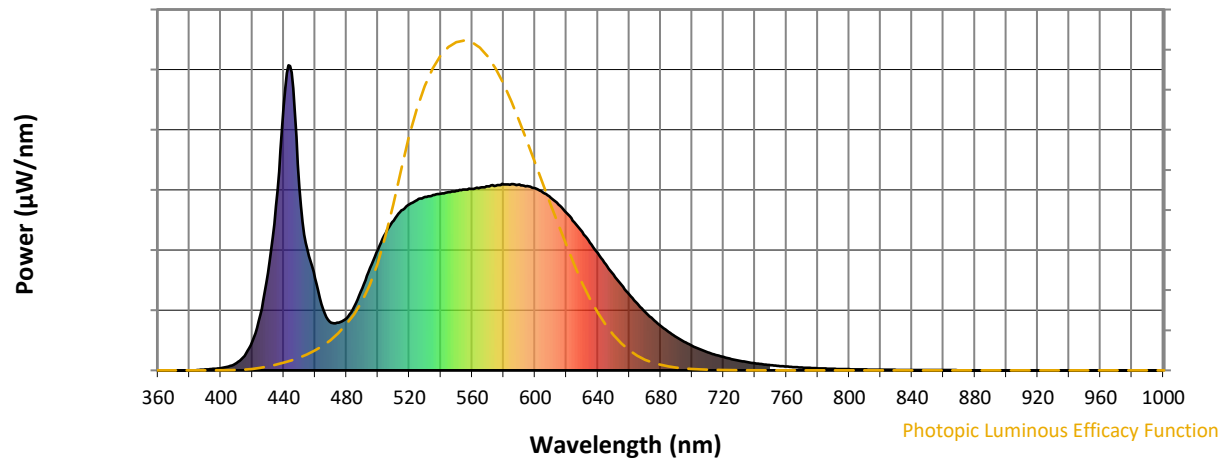
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 5000K 7-step quadrangle

REPORT NUMBER: SP1-2407-184-12

Photopic Flux vs. Wavelength

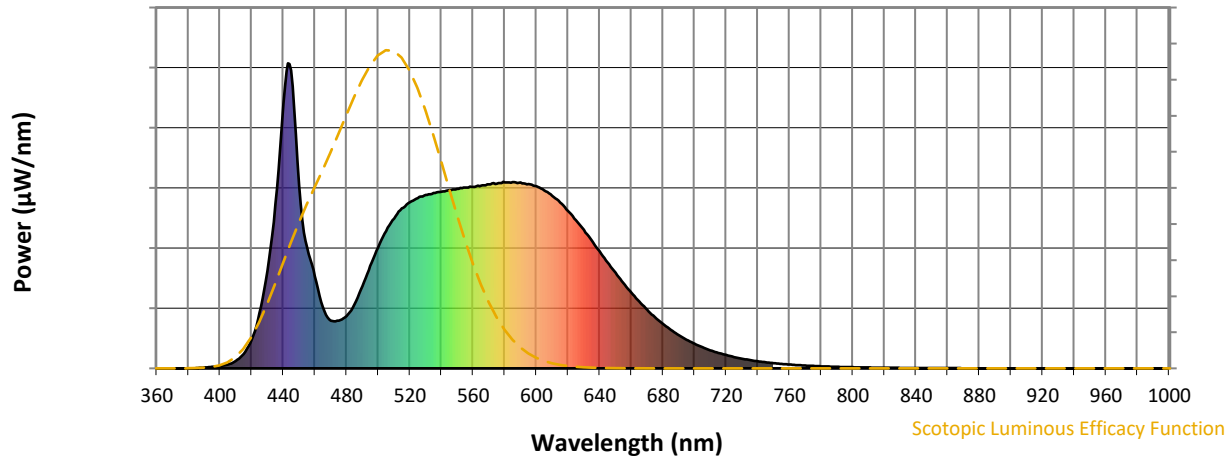


Photopic Lumens: NR

λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	270	NR	620	517	NR	750	17	NR	880	0	NR
365	0	NR	495	335	NR	625	486	NR	755	15	NR	885	0	NR
370	0	NR	500	397	NR	630	454	NR	760	12	NR	890	0	NR
375	0	NR	505	451	NR	635	419	NR	765	11	NR	895	0	NR
380	0	NR	510	492	NR	640	384	NR	770	9	NR	900	0	NR
385	1	NR	515	524	NR	645	347	NR	775	8	NR	905	0	NR
390	3	NR	520	545	NR	650	313	NR	780	7	NR	910	0	NR
395	5	NR	525	558	NR	655	280	NR	785	6	NR	915	0	NR
400	7	NR	530	568	NR	660	248	NR	790	5	NR	920	0	NR
405	13	NR	535	575	NR	665	219	NR	795	4	NR	925	0	NR
410	24	NR	540	579	NR	670	192	NR	800	4	NR	930	0	NR
415	47	NR	545	585	NR	675	167	NR	805	3	NR	935	0	NR
420	95	NR	550	588	NR	680	146	NR	810	3	NR	940	0	NR
425	181	NR	555	593	NR	685	126	NR	815	2	NR	945	0	NR
430	319	NR	560	595	NR	690	109	NR	820	2	NR	950	0	NR
435	539	NR	565	600	NR	695	94	NR	825	2	NR	955	0	NR
440	868	NR	570	603	NR	700	80	NR	830	2	NR	960	0	NR
445	977	NR	575	606	NR	705	69	NR	835	1	NR	965	0	NR
450	601	NR	580	609	NR	710	59	NR	840	1	NR	970	0	NR
455	397	NR	585	611	NR	715	51	NR	845	1	NR	975	0	NR
460	302	NR	590	610	NR	720	44	NR	850	1	NR	980	0	NR
465	201	NR	595	604	NR	725	37	NR	855	1	NR	985	0	NR
470	157	NR	600	596	NR	730	32	NR	860	1	NR	990	0	NR
475	157	NR	605	583	NR	735	27	NR	865	1	NR	995	0	NR
480	171	NR	610	566	NR	740	23	NR	870	1	NR	1000	0	NR
485	210	NR	615	543	NR	745	20	NR	875	0	NR			

REPORT NUMBER: SP1-2407-184-12

Scotopic Flux vs. Wavelength



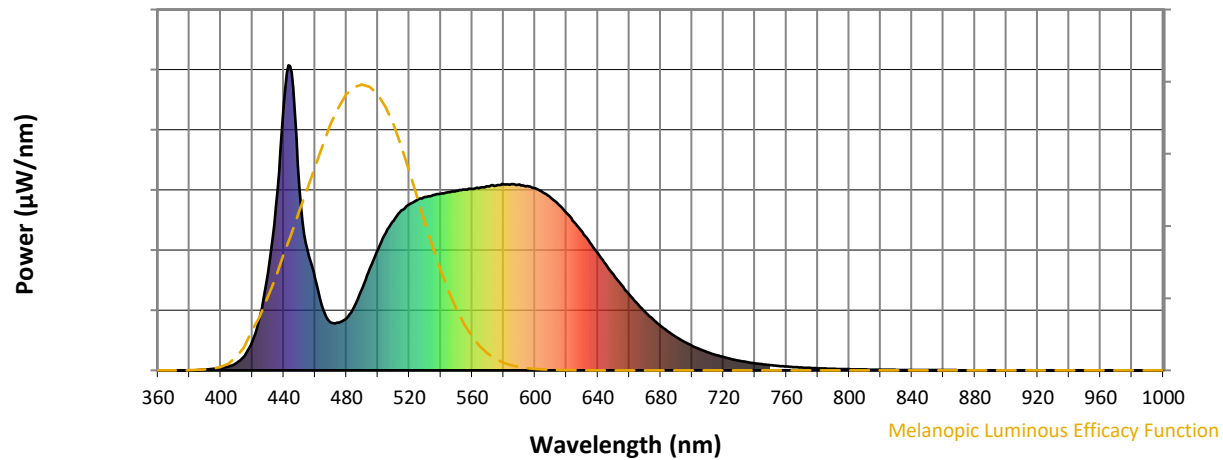
Scotopic Lumens: NR

S/P: 1.83

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	270	NR	620	517	NR	750	17	NR	880	0	NR
365	0	NR	495	335	NR	625	486	NR	755	15	NR	885	0	NR
370	0	NR	500	397	NR	630	454	NR	760	12	NR	890	0	NR
375	0	NR	505	451	NR	635	419	NR	765	11	NR	895	0	NR
380	0	NR	510	492	NR	640	384	NR	770	9	NR	900	0	NR
385	1	NR	515	524	NR	645	347	NR	775	8	NR	905	0	NR
390	3	NR	520	545	NR	650	313	NR	780	7	NR	910	0	NR
395	5	NR	525	558	NR	655	280	NR	785	6	NR	915	0	NR
400	7	NR	530	568	NR	660	248	NR	790	5	NR	920	0	NR
405	13	NR	535	575	NR	665	219	NR	795	4	NR	925	0	NR
410	24	NR	540	579	NR	670	192	NR	800	4	NR	930	0	NR
415	47	NR	545	585	NR	675	167	NR	805	3	NR	935	0	NR
420	95	NR	550	588	NR	680	146	NR	810	3	NR	940	0	NR
425	181	NR	555	593	NR	685	126	NR	815	2	NR	945	0	NR
430	319	NR	560	595	NR	690	109	NR	820	2	NR	950	0	NR
435	539	NR	565	600	NR	695	94	NR	825	2	NR	955	0	NR
440	868	NR	570	603	NR	700	80	NR	830	2	NR	960	0	NR
445	977	NR	575	606	NR	705	69	NR	835	1	NR	965	0	NR
450	601	NR	580	609	NR	710	59	NR	840	1	NR	970	0	NR
455	397	NR	585	611	NR	715	51	NR	845	1	NR	975	0	NR
460	302	NR	590	610	NR	720	44	NR	850	1	NR	980	0	NR
465	201	NR	595	604	NR	725	37	NR	855	1	NR	985	0	NR
470	157	NR	600	596	NR	730	32	NR	860	1	NR	990	0	NR
475	157	NR	605	583	NR	735	27	NR	865	1	NR	995	0	NR
480	171	NR	610	566	NR	740	23	NR	870	1	NR	1000	0	NR
485	210	NR	615	543	NR	745	20	NR	875	0	NR			

REPORT NUMBER: SP1-2407-184-12

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 3.74

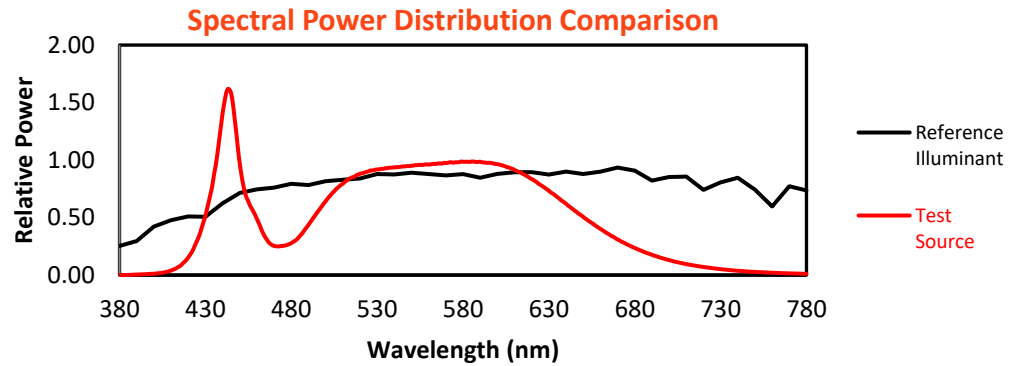
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	270	NR	620	517	NR	750	17	NR	880	0	NR
365	0	NR	495	335	NR	625	486	NR	755	15	NR	885	0	NR
370	0	NR	500	397	NR	630	454	NR	760	12	NR	890	0	NR
375	0	NR	505	451	NR	635	419	NR	765	11	NR	895	0	NR
380	0	NR	510	492	NR	640	384	NR	770	9	NR	900	0	NR
385	1	NR	515	524	NR	645	347	NR	775	8	NR	905	0	NR
390	3	NR	520	545	NR	650	313	NR	780	7	NR	910	0	NR
395	5	NR	525	558	NR	655	280	NR	785	6	NR	915	0	NR
400	7	NR	530	568	NR	660	248	NR	790	5	NR	920	0	NR
405	13	NR	535	575	NR	665	219	NR	795	4	NR	925	0	NR
410	24	NR	540	579	NR	670	192	NR	800	4	NR	930	0	NR
415	47	NR	545	585	NR	675	167	NR	805	3	NR	935	0	NR
420	95	NR	550	588	NR	680	146	NR	810	3	NR	940	0	NR
425	181	NR	555	593	NR	685	126	NR	815	2	NR	945	0	NR
430	319	NR	560	595	NR	690	109	NR	820	2	NR	950	0	NR
435	539	NR	565	600	NR	695	94	NR	825	2	NR	955	0	NR
440	868	NR	570	603	NR	700	80	NR	830	2	NR	960	0	NR
445	977	NR	575	606	NR	705	69	NR	835	1	NR	965	0	NR
450	601	NR	580	609	NR	710	59	NR	840	1	NR	970	0	NR
455	397	NR	585	611	NR	715	51	NR	845	1	NR	975	0	NR
460	302	NR	590	610	NR	720	44	NR	850	1	NR	980	0	NR
465	201	NR	595	604	NR	725	37	NR	855	1	NR	985	0	NR
470	157	NR	600	596	NR	730	32	NR	860	1	NR	990	0	NR
475	157	NR	605	583	NR	735	27	NR	865	1	NR	995	0	NR
480	171	NR	610	566	NR	740	23	NR	870	1	NR	1000	0	NR
485	210	NR	615	543	NR	745	20	NR	875	0	NR			

REPORT NUMBER: SP1-2407-184-12

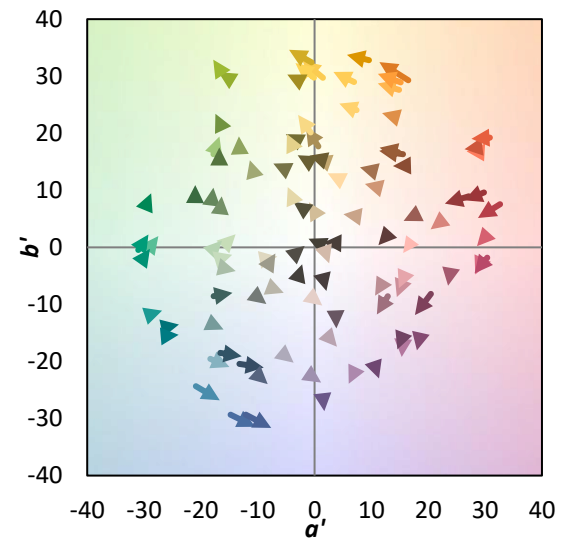
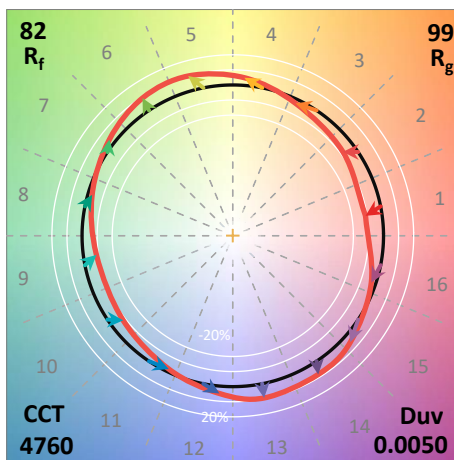
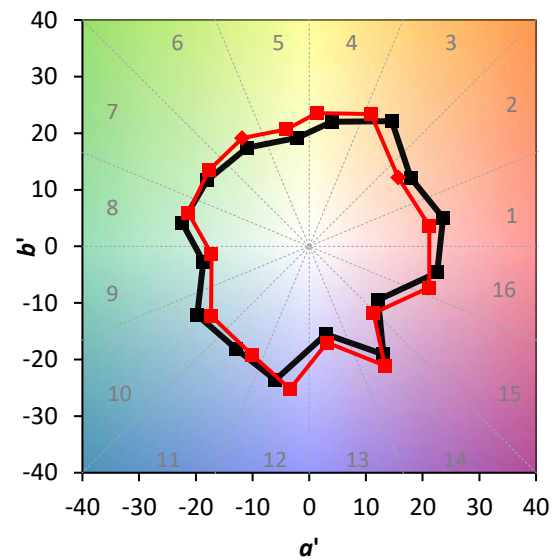
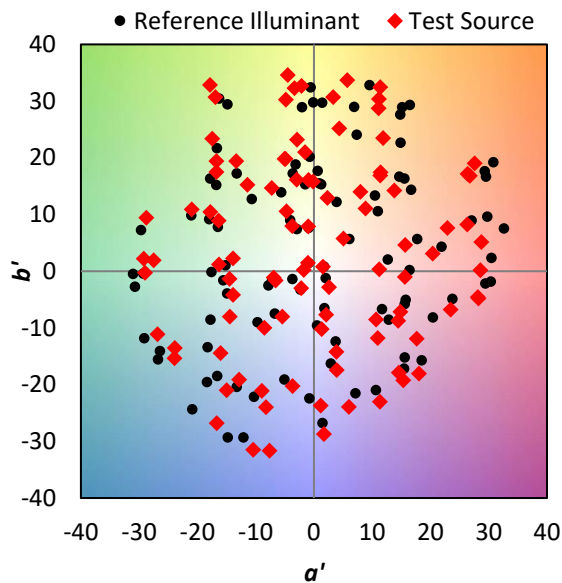
TM-30-18

Summary

$R_f = 82$
 $R_g = 99.4$
 $CIE R_a = 81.1$
 $R_9 = 8.7$

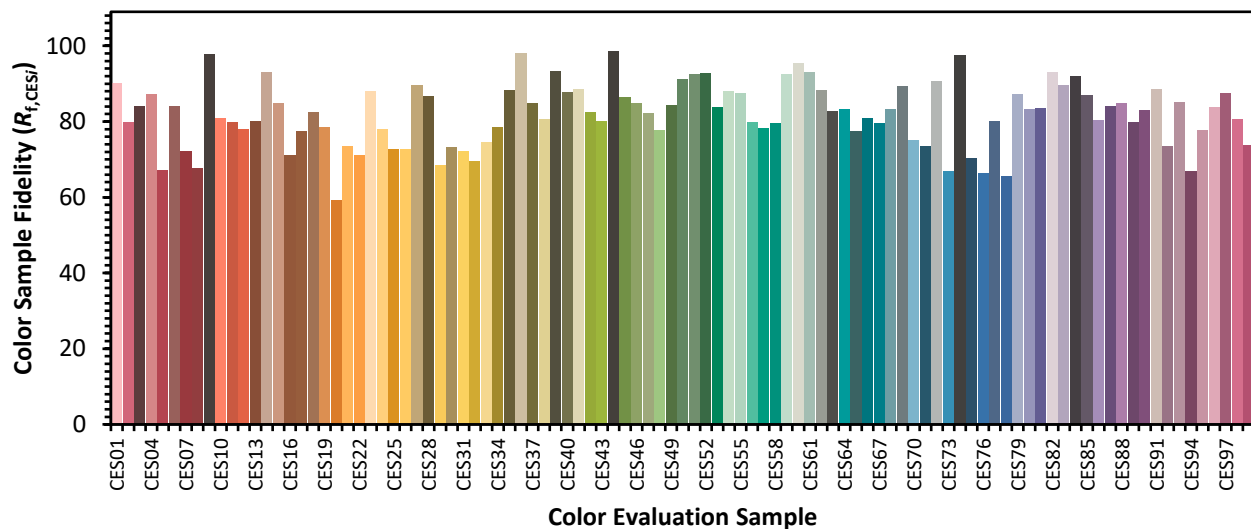


Color Vector Graphics

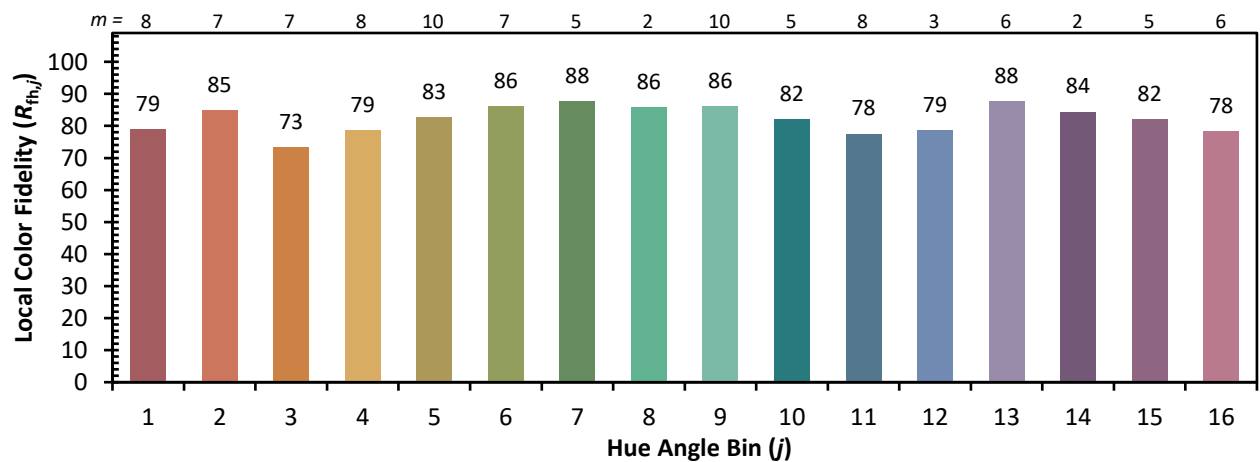
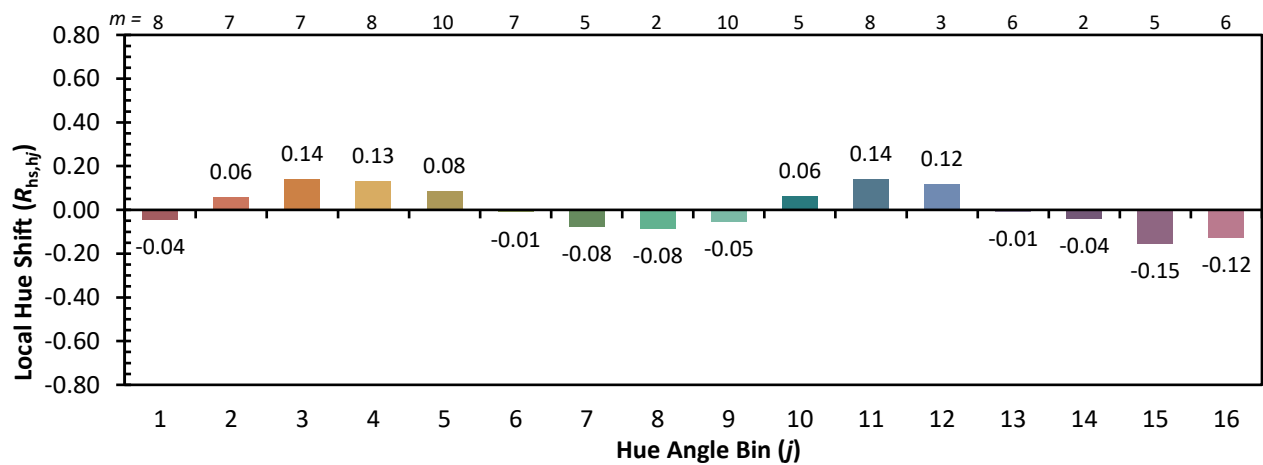
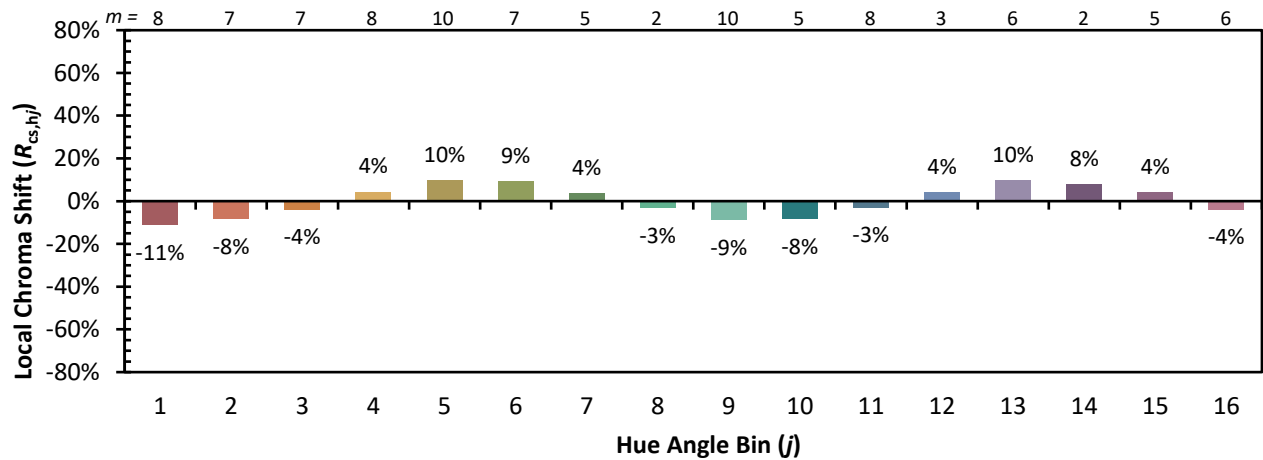


Individual Sample Fidelity Index ($R_{f,i}$)

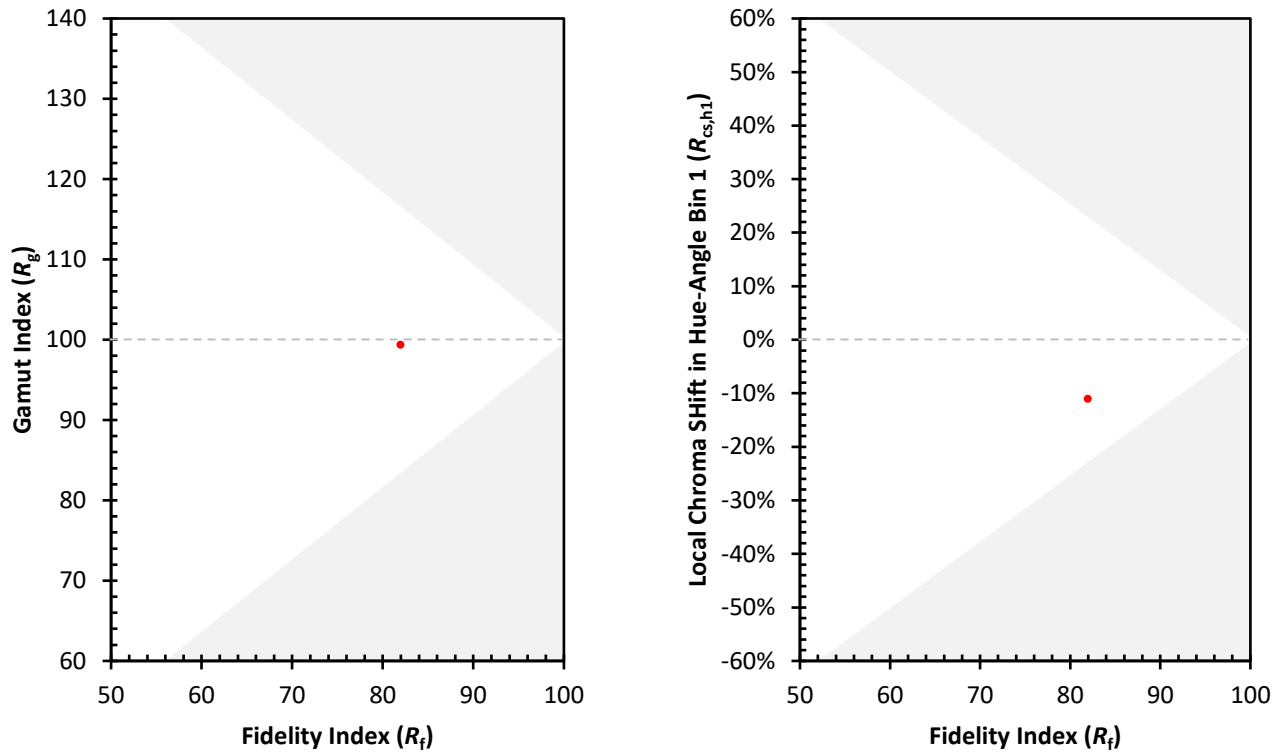
CES01 = 85	CES26 = 73	CES51 = 92	CES76 = 66
CES02 = 60	CES27 = 90	CES52 = 93	CES77 = 80
CES03 = 30	CES28 = 87	CES53 = 84	CES78 = 65
CES04 = 69	CES29 = 69	CES54 = 88	CES79 = 87
CES05 = 47	CES30 = 73	CES55 = 88	CES80 = 83
CES06 = 50	CES31 = 72	CES56 = 80	CES81 = 84
CES07 = 40	CES32 = 69	CES57 = 78	CES82 = 93
CES08 = 39	CES33 = 75	CES58 = 80	CES83 = 90
CES09 = 29	CES34 = 78	CES59 = 93	CES84 = 92
CES10 = 73	CES35 = 88	CES60 = 95	CES85 = 87
CES11 = 56	CES36 = 98	CES61 = 93	CES86 = 80
CES12 = 62	CES37 = 85	CES62 = 88	CES87 = 84
CES13 = 42	CES38 = 81	CES63 = 83	CES88 = 85
CES14 = 74	CES39 = 93	CES64 = 83	CES89 = 80
CES15 = 71	CES40 = 88	CES65 = 77	CES90 = 83
CES16 = 46	CES41 = 89	CES66 = 81	CES91 = 89
CES17 = 48	CES42 = 82	CES67 = 80	CES92 = 73
CES18 = 55	CES43 = 80	CES68 = 83	CES93 = 85
CES19 = 70	CES44 = 99	CES69 = 89	CES94 = 67
CES20 = 64	CES45 = 87	CES70 = 75	CES95 = 78
CES21 = 85	CES46 = 85	CES71 = 73	CES96 = 84
CES22 = 77	CES47 = 82	CES72 = 91	CES97 = 87
CES23 = 91	CES48 = 78	CES73 = 67	CES98 = 81
CES24 = 90	CES49 = 84	CES74 = 98	CES99 = 74
CES25 = 71	CES50 = 91	CES75 = 70	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)