

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: P1049449

Luminaire Tested: **GALN-SA7A-950-U-RBC**

Issue Date: 07/10/2025



Test Information

Test Method: LM-79-08
Report Number: P1049449
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA7A-950-U-RBC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 615mA 7xLight Square PACKAGE
90CRI 5000K FIXTURE w/ RIGHT CORNER BACKLIGHT CONTROL
Light Source: (98) 5000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17960.9 lumens
Efficiency: N/A
Efficacy: 93.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G3

Input Watts (W): 193.1
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

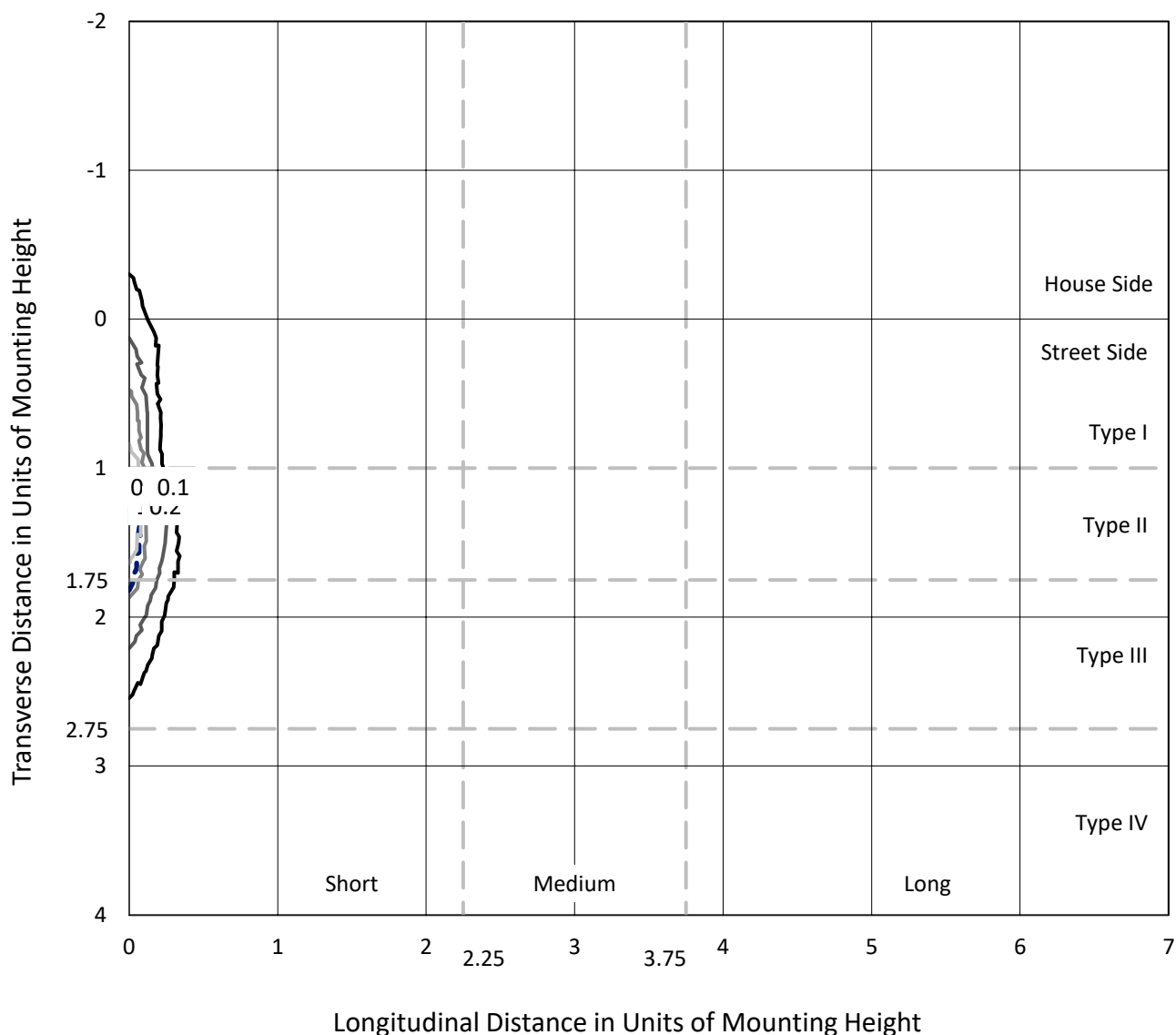
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

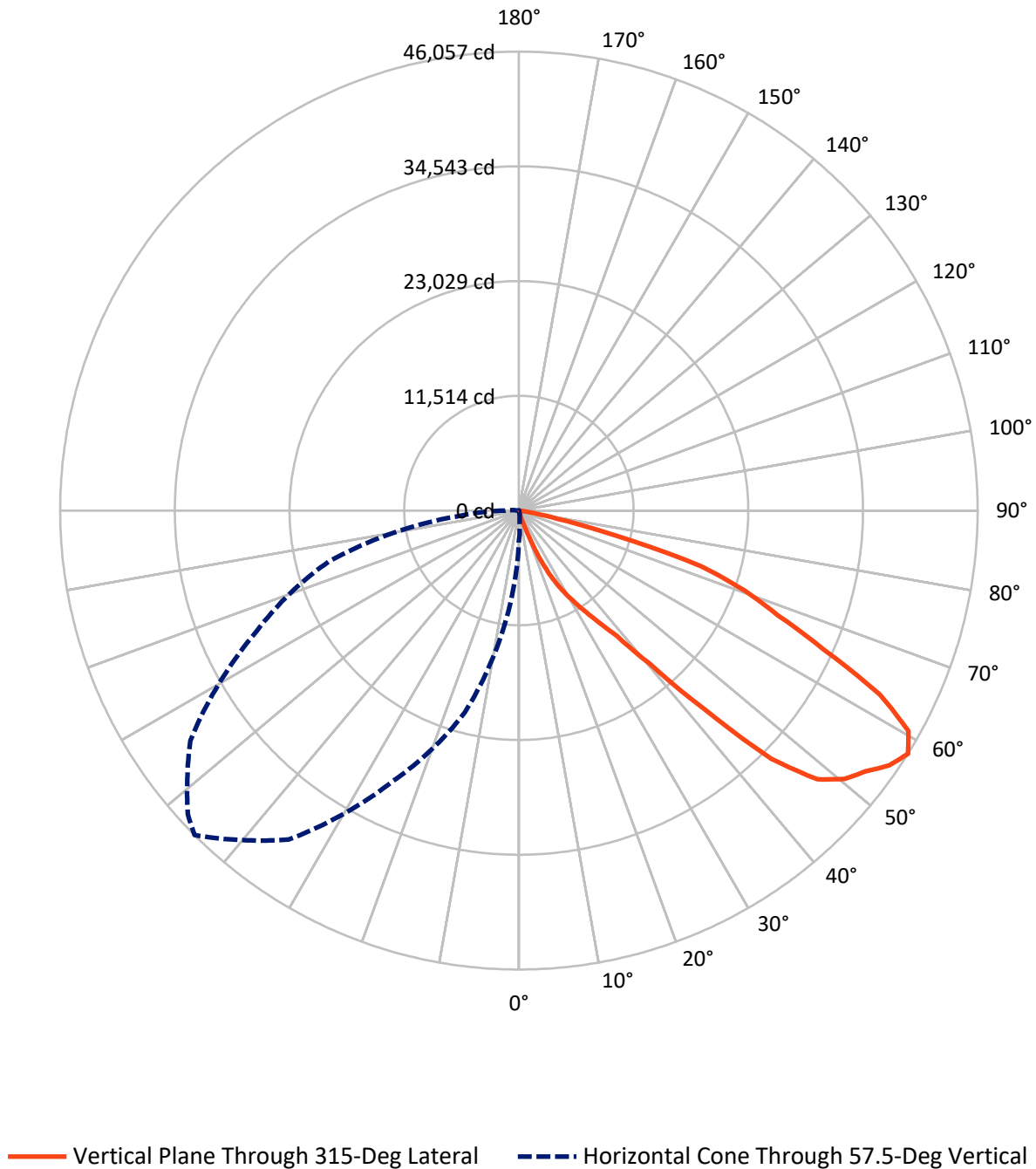


Based on 20 foot mounting height. Maximum calculated value = 2.6 fc

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	89.9	0.0	89.9
	% Fixture	0.5	0.0	0.5
Street Side	Lumens	17871.0	0.0	17871.0
	% Fixture	99.5	0.0	99.5
Total	Lumens	17960.9	0.0	17960.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.0	0.0
10°-20°	39.5	0.2
20°-30°	425.6	2.4
30°-40°	1258.7	7.0
40°-50°	3751.3	20.9
50°-60°	5948.2	33.1
60°-70°	4965.3	27.6
70°-80°	1531.1	8.5
80°-90°	34.0	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°	17960.9	100.0
0°-180°	17960.9	100.0



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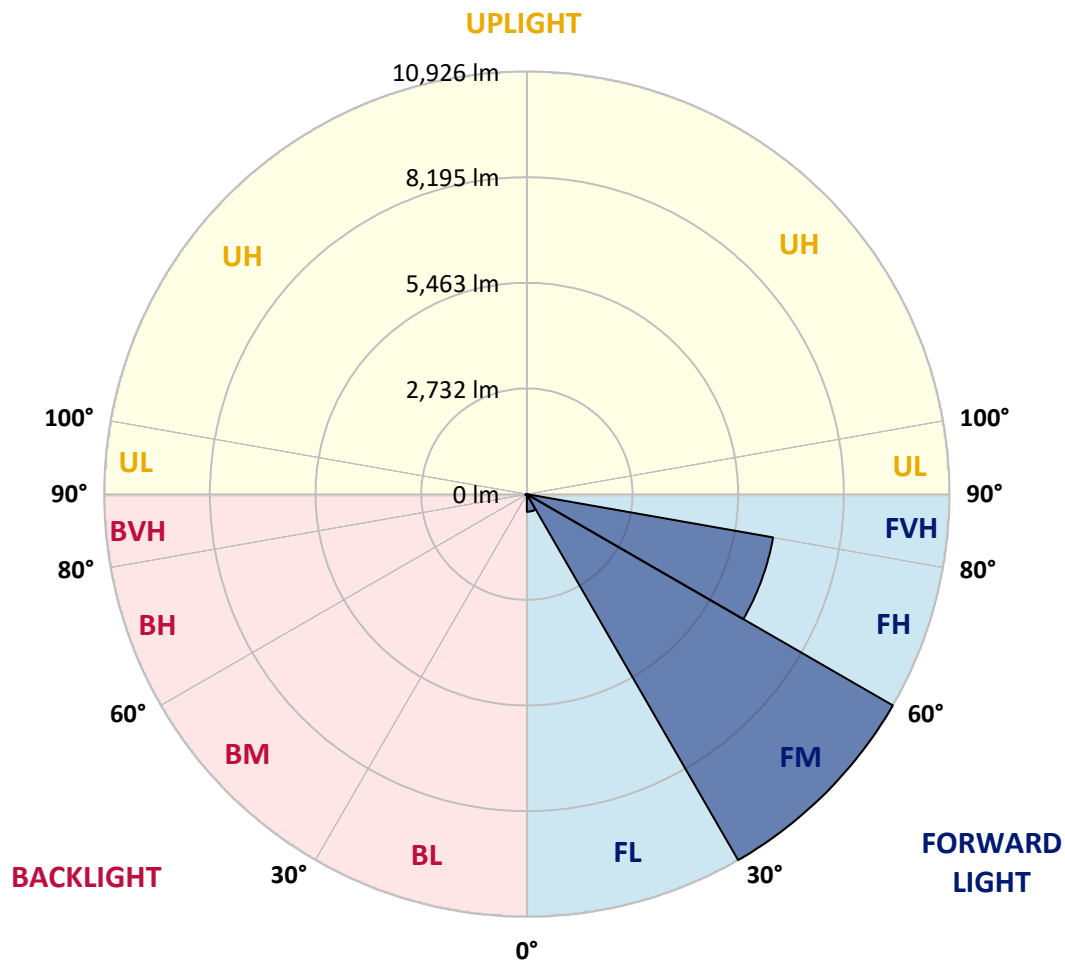
CATALOG NUMBER: GALN-SA7A-950-U-RBC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	455.6	2.5			
FM	(30°-60°)	10926.1	60.8			
FH	(60°-80°)	6462.9	36.0			G3/7500
FVH	(80°-90°)	26.3	0.1			G1/100
BL	(0°-30°)	16.5	0.1	B0/110		
BM	(30°-60°)	32.1	0.2	B0/220		
BH	(60°-80°)	33.5	0.2	B0/110		G0/110
BVH	(80°-90°)	7.7	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-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°	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
2.5°	71.9	71.9	71.9	71.9	70.6	70.6	69.2	69.2	67.9	67.9
5°	76.0	76.0	74.7	73.3	73.3	71.9	70.6	69.2	69.2	67.9
7.5°	82.8	81.4	80.1	78.7	76.0	74.7	71.9	70.6	69.2	66.5
10°	90.9	88.2	85.5	82.8	80.1	77.4	74.7	73.3	70.6	69.2
12.5°	101.8	97.7	92.3	88.2	85.5	81.4	78.7	76.0	71.9	69.2
15°	111.3	105.9	99.1	93.7	89.6	84.2	80.1	76.0	73.3	69.2
17.5°	124.9	115.4	104.5	97.7	92.3	85.5	78.7	74.7	70.6	65.1
20°	147.9	128.9	108.6	100.4	92.3	84.2	76.0	70.6	66.5	61.1
22.5°	184.6	152.0	119.4	107.2	96.4	84.2	73.3	67.9	62.4	57.0
25°	255.2	196.8	138.4	122.2	105.9	89.6	73.3	66.5	61.1	54.3
27.5°	339.3	252.5	164.2	141.2	119.4	96.4	73.3	65.1	58.4	50.2
30°	424.8	309.5	192.7	162.9	133.0	103.2	73.3	63.8	55.6	46.1
32.5°	506.3	362.4	217.2	181.9	146.6	109.9	74.7	63.8	52.9	42.1
35°	589.1	405.8	221.2	184.6	147.9	109.9	73.3	61.1	50.2	38.0
37.5°	694.9	454.7	213.1	176.4	141.2	104.5	69.2	58.4	47.5	35.3
40°	855.1	536.1	217.2	179.2	141.2	103.2	65.1	54.3	44.8	33.9
42.5°	1151.0	693.6	234.8	191.4	147.9	103.2	59.7	50.2	42.1	32.6
45°	1989.8	1152.3	314.9	249.7	184.6	119.4	54.3	46.1	39.4	31.2
47.5°	3291.4	1928.7	566.0	437.0	309.5	180.5	52.9	46.1	39.4	31.2
50°	4200.8	2456.7	712.6	548.3	384.1	219.9	55.6	47.5	40.7	32.6
52.5°	4194.0	2494.7	794.0	609.4	426.2	241.6	58.4	50.2	43.4	35.3
55°	3728.5	2269.4	808.9	621.6	435.7	248.4	62.4	54.3	46.1	38.0
57.5°	3116.3	1927.4	738.4	571.4	405.8	238.9	71.9	62.4	54.3	44.8
60°	2464.8	1520.2	575.5	454.7	335.3	214.5	95.0	82.8	71.9	59.7
62.5°	1702.0	1102.1	502.2	403.1	305.4	206.3	108.6	96.4	85.5	73.3
65°	1203.9	829.3	453.3	369.2	286.4	202.2	118.1	104.5	92.3	78.7
67.5°	899.9	659.6	418.0	346.1	274.2	202.2	130.3	114.0	99.1	82.8
70°	689.5	541.6	392.3	333.9	276.9	218.5	160.2	137.1	115.4	92.3
72.5°	561.9	462.8	362.4	320.3	278.2	236.2	194.1	164.2	134.4	103.2
75°	465.6	396.3	327.1	291.8	257.9	222.6	187.3	160.2	134.4	107.2
77.5°	309.5	282.3	253.8	233.5	213.1	191.4	171.0	147.9	126.2	103.2
80°	108.6	104.5	100.4	108.6	116.7	124.9	133.0	116.7	101.8	85.5
82.5°	16.3	14.9	13.6	14.9	16.3	17.6	19.0	20.4	21.7	23.1
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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CATALOG NUMBER: GALN-SA7A-950-U-RBC

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°	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
0.0	2.5°	66.5	66.5	65.1	65.1	65.1	63.8	63.8	62.4	62.4	62.4
0.0	5°	65.1	65.1	63.8	62.4	61.1	61.1	59.7	58.4	58.4	57.0
0.0	7.5°	63.8	62.4	61.1	59.7	58.4	57.0	55.6	54.3	54.3	52.9
0.0	10°	65.1	62.4	61.1	58.4	57.0	55.6	52.9	51.6	50.2	50.2
0.0	12.5°	62.4	61.1	58.4	55.6	54.3	51.6	50.2	47.5	46.1	46.1
0.0	15°	62.4	59.7	55.6	52.9	50.2	48.9	46.1	43.4	42.1	40.7
0.0	17.5°	58.4	55.6	51.6	48.9	46.1	43.4	40.7	38.0	36.6	35.3
0.0	20°	52.9	50.2	46.1	42.1	39.4	36.6	33.9	31.2	29.9	28.5
0.0	22.5°	47.5	44.8	40.7	36.6	33.9	31.2	27.1	24.4	23.1	20.4
0.0	25°	44.8	40.7	36.6	32.6	28.5	25.8	21.7	17.6	14.9	12.2
0.0	27.5°	38.0	33.9	29.9	25.8	21.7	17.6	13.6	9.5	6.8	5.4
0.0	30°	32.6	28.5	24.4	20.4	14.9	10.9	6.8	1.4	1.4	1.4
0.0	32.5°	27.1	23.1	17.6	13.6	10.9	6.8	4.1	0.0	0.0	0.0
0.0	35°	21.7	17.6	12.2	8.1	6.8	4.1	2.7	0.0	0.0	0.0
0.0	37.5°	19.0	14.9	9.5	4.1	2.7	2.7	1.4	0.0	0.0	0.0
0.0	40°	17.6	12.2	6.8	1.4	1.4	1.4	0.0	0.0	0.0	0.0
0.0	42.5°	17.6	12.2	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	17.6	12.2	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	17.6	12.2	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	19.0	13.6	6.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	21.7	16.3	10.9	5.4	4.1	2.7	1.4	0.0	0.0	0.0
0.0	55°	27.1	24.4	20.4	17.6	13.6	9.5	4.1	0.0	0.0	0.0
0.0	57.5°	35.3	35.3	33.9	32.6	24.4	16.3	8.1	0.0	0.0	0.0
0.0	60°	47.5	47.5	47.5	47.5	35.3	24.4	12.2	0.0	0.0	0.0
0.0	62.5°	58.4	55.6	51.6	48.9	36.6	24.4	12.2	0.0	0.0	0.0
0.0	65°	58.4	52.9	46.1	39.4	29.9	20.4	9.5	0.0	0.0	0.0
0.0	67.5°	54.3	43.4	31.2	20.4	14.9	10.9	5.4	0.0	0.0	0.0
	70°	54.3	38.0	21.7	5.4	4.1	2.7	1.4	0.0	0.0	0.0
	72.5°	54.3	36.6	17.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	75°	59.7	40.7	20.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	77.5°	59.7	40.7	20.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	80°	52.9	35.3	17.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	82.5°	17.6	12.2	5.4	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

CATALOG NUMBER: GALN-SA7A-950-U-RBC

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°	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
0.0	2.5°	61.1	61.1	61.1	59.7	59.7	59.7	59.7	58.4	58.4	58.4
0.0	5°	55.6	55.6	54.3	54.3	52.9	52.9	51.6	51.6	50.2	50.2
0.0	7.5°	51.6	50.2	50.2	48.9	47.5	47.5	46.1	46.1	44.8	43.4
0.0	10°	47.5	46.1	46.1	44.8	43.4	42.1	42.1	40.7	39.4	38.0
0.0	12.5°	43.4	42.1	40.7	39.4	38.0	36.6	36.6	35.3	33.9	32.6
0.0	15°	38.0	36.6	35.3	33.9	32.6	31.2	31.2	29.9	28.5	27.1
0.0	17.5°	32.6	31.2	31.2	29.9	28.5	27.1	25.8	23.1	21.7	20.4
0.0	20°	24.4	23.1	21.7	20.4	19.0	16.3	14.9	12.2	9.5	8.1
0.0	22.5°	16.3	13.6	12.2	9.5	6.8	5.4	4.1	1.4	0.0	0.0
0.0	25°	5.4	4.1	2.7	1.4	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: P1049449

CATALOG NUMBER: GALN-SA7A-950-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049449

CATALOG NUMBER: GALN-SA7A-950-U-RBC

CANDELA DISTRIBUTION (continued):

80°		82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°
0.0	0°	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
0.0	2.5°	57.0	57.0	57.0	55.6	55.6	55.6	55.6	55.6	55.6	55.6
0.0	5°	48.9	48.9	48.9	47.5	47.5	46.1	46.1	46.1	44.8	44.8
0.0	7.5°	42.1	40.7	40.7	39.4	39.4	38.0	38.0	38.0	36.6	36.6
0.0	10°	35.3	33.9	33.9	32.6	32.6	31.2	31.2	29.9	29.9	28.5
0.0	12.5°	31.2	29.9	28.5	27.1	27.1	25.8	24.4	24.4	23.1	21.7
0.0	15°	24.4	23.1	21.7	20.4	19.0	17.6	16.3	16.3	14.9	13.6
0.0	17.5°	16.3	13.6	12.2	10.9	10.9	9.5	8.1	6.8	5.4	4.1
0.0	20°	4.1	2.7	1.4	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: P1049449

CATALOG NUMBER: GALN-SA7A-950-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049449

CATALOG NUMBER: GALN-SA7A-950-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°	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
0.0	2.5°	55.6	54.3	54.3	54.3	55.6	55.6	55.6	55.6	55.6	55.6
0.0	5°	44.8	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
0.0	7.5°	36.6	35.3	35.3	35.3	35.3	33.9	33.9	33.9	33.9	33.9
0.0	10°	28.5	27.1	27.1	27.1	27.1	25.8	25.8	25.8	25.8	25.8
0.0	12.5°	20.4	20.4	19.0	19.0	19.0	17.6	17.6	17.6	17.6	16.3
0.0	15°	12.2	10.9	9.5	9.5	9.5	8.1	8.1	8.1	8.1	6.8
0.0	17.5°	2.7	2.7	1.4	1.4	1.4	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
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: P1049449

CATALOG NUMBER: GALN-SA7A-950-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]



REPORT NUMBER: P1049449

CATALOG NUMBER: GALN-SA7A-950-U-RBC

CANDELA DISTRIBUTION (continued):

135°		137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°
0.0	0°	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
0.0	2.5°	57.0	57.0	58.4	58.4	59.7	62.4	63.8	65.1	67.9	70.6
0.0	5°	44.8	46.1	46.1	47.5	48.9	50.2	51.6	52.9	55.6	58.4
0.0	7.5°	35.3	35.3	36.6	36.6	38.0	40.7	42.1	43.4	46.1	50.2
0.0	10°	27.1	27.1	28.5	28.5	29.9	32.6	33.9	35.3	38.0	42.1
0.0	12.5°	17.6	19.0	19.0	20.4	21.7	24.4	25.8	27.1	29.9	32.6
0.0	15°	8.1	9.5	9.5	10.9	12.2	14.9	16.3	17.6	20.4	24.4
0.0	17.5°	1.4	1.4	2.7	2.7	4.1	5.4	6.8	8.1	12.2	14.9
0.0	20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	5.4
0.0	22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
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: P1049449

CATALOG NUMBER: GALN-SA7A-950-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049449

CATALOG NUMBER: GALN-SA7A-950-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°	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
0.0	2.5°	74.7	77.4	80.1	82.8	85.5	88.2	89.6	92.3	93.7	95.0
0.0	5°	63.8	66.5	70.6	73.3	76.0	78.7	81.4	82.8	84.2	85.5
0.0	7.5°	55.6	58.4	62.4	65.1	67.9	70.6	73.3	76.0	77.4	78.7
0.0	10°	47.5	51.6	54.3	58.4	61.1	63.8	66.5	69.2	71.9	73.3
0.0	12.5°	38.0	42.1	46.1	48.9	52.9	57.0	59.7	62.4	65.1	67.9
0.0	15°	29.9	33.9	38.0	40.7	44.8	48.9	52.9	55.6	58.4	61.1
0.0	17.5°	21.7	25.8	29.9	32.6	36.6	40.7	43.4	47.5	50.2	52.9
0.0	20°	10.9	14.9	19.0	23.1	27.1	31.2	33.9	38.0	40.7	43.4
0.0	22.5°	1.4	5.4	9.5	12.2	16.3	20.4	23.1	27.1	29.9	32.6
0.0	25°	0.0	1.4	4.1	5.4	6.8	9.5	12.2	14.9	17.6	20.4
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	1.4	2.7	5.4	8.1	10.9
0.0	30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7
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	1.4
	82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	2.7
	85°	0.0	0.0	0.0	0.0	0.0	2.7	4.1	6.8	8.1	9.5
	87.5°	0.0	1.4	2.7	4.1	5.4	8.1	10.9	13.6	14.9	16.3
	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: P1049449

CATALOG NUMBER: GALN-SA7A-950-U-RBC

CANDELA DISTRIBUTION (continued):

190°		165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°
78.7	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95.0	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
86.9	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80.1	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
76.0	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
69.2	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
63.8	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.0	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
46.1	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35.3	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24.4	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.6	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.1	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											
1.4											
5.4											
12.2											
17.6											
0.0											
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REPORT NUMBER: P1049449

CATALOG NUMBER: GALN-SA7A-950-U-RBC

CANDELA DISTRIBUTION (continued):

190°		192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°
0.0	0°	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
0.0	2.5°	96.4	96.4	96.4	96.4	95.0	95.0	95.0	93.7	93.7	92.3
0.0	5°	88.2	89.6	89.6	89.6	89.6	89.6	89.6	89.6	88.2	88.2
0.0	7.5°	81.4	82.8	84.2	84.2	85.5	85.5	85.5	84.2	84.2	82.8
0.0	10°	77.4	78.7	78.7	80.1	80.1	80.1	80.1	80.1	80.1	80.1
0.0	12.5°	71.9	73.3	74.7	74.7	76.0	76.0	76.0	76.0	74.7	74.7
0.0	15°	65.1	67.9	69.2	70.6	70.6	71.9	71.9	71.9	71.9	71.9
0.0	17.5°	59.7	62.4	63.8	65.1	65.1	66.5	66.5	67.9	67.9	67.9
0.0	20°	48.9	51.6	52.9	55.6	57.0	58.4	59.7	61.1	61.1	62.4
0.0	22.5°	38.0	40.7	42.1	44.8	46.1	47.5	48.9	50.2	51.6	52.9
0.0	25°	27.1	29.9	31.2	33.9	35.3	36.6	38.0	39.4	39.4	40.7
0.0	27.5°	14.9	17.6	20.4	21.7	24.4	25.8	27.1	28.5	29.9	31.2
0.0	30°	6.8	8.1	9.5	12.2	13.6	14.9	16.3	19.0	20.4	21.7
0.0	32.5°	0.0	0.0	1.4	4.1	5.4	6.8	8.1	9.5	9.5	10.9
0.0	35°	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.7	4.1	5.4
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°	2.7	2.7	2.7	4.1	4.1	4.1	4.1	4.1	4.1	4.1
	82.5°	6.8	8.1	9.5	9.5	10.9	10.9	10.9	10.9	9.5	9.5
	85°	13.6	14.9	16.3	16.3	17.6	17.6	17.6	17.6	17.6	17.6
	87.5°	19.0	20.4	21.7	21.7	23.1	23.1	23.1	23.1	23.1	23.1
	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: P1049449

CATALOG NUMBER: GALN-SA7A-950-U-RBC

CANDELA DISTRIBUTION (continued):

217.5°		192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°
78.7	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.3	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.2	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.8	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80.1	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
74.7	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
71.9	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.9	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61.1	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.9	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.1	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32.6	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23.1	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.6	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.1	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.7	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.7	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.4	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.4	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.4	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.4	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.4	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											
4.1											
9.5											
17.6											
23.1											
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REPORT NUMBER: P1049449

CATALOG NUMBER: GALN-SA7A-950-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°	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
0.0	2.5°	90.9	90.9	89.6	89.6	89.6	89.6	89.6	90.9	92.3	92.3
0.0	5°	86.9	86.9	85.5	85.5	85.5	86.9	86.9	88.2	89.6	90.9
0.0	7.5°	82.8	81.4	81.4	82.8	82.8	84.2	84.2	85.5	86.9	88.2
0.0	10°	80.1	78.7	78.7	78.7	80.1	80.1	81.4	82.8	84.2	85.5
0.0	12.5°	74.7	74.7	74.7	74.7	76.0	76.0	77.4	78.7	81.4	82.8
0.0	15°	71.9	70.6	70.6	70.6	70.6	71.9	71.9	74.7	77.4	78.7
0.0	17.5°	66.5	66.5	65.1	65.1	66.5	66.5	67.9	70.6	73.3	74.7
0.0	20°	61.1	59.7	58.4	58.4	59.7	59.7	61.1	63.8	66.5	67.9
0.0	22.5°	52.9	51.6	51.6	51.6	51.6	52.9	52.9	55.6	59.7	62.4
0.0	25°	42.1	43.4	43.4	44.8	44.8	46.1	47.5	50.2	54.3	57.0
0.0	27.5°	32.6	33.9	33.9	36.6	38.0	39.4	40.7	44.8	48.9	51.6
0.0	30°	24.4	25.8	27.1	28.5	31.2	33.9	36.6	40.7	44.8	47.5
0.0	32.5°	14.9	17.6	19.0	21.7	24.4	27.1	29.9	33.9	39.4	43.4
0.0	35°	10.9	12.2	14.9	16.3	19.0	21.7	24.4	29.9	33.9	39.4
0.0	37.5°	5.4	8.1	10.9	13.6	16.3	19.0	21.7	27.1	32.6	36.6
0.0	40°	4.1	6.8	8.1	10.9	14.9	17.6	20.4	25.8	31.2	36.6
0.0	42.5°	2.7	4.1	5.4	9.5	12.2	16.3	20.4	25.8	31.2	36.6
0.0	45°	2.7	2.7	4.1	8.1	12.2	17.6	21.7	27.1	31.2	36.6
0.0	47.5°	2.7	4.1	5.4	10.9	13.6	17.6	21.7	25.8	31.2	35.3
0.0	50°	4.1	5.4	6.8	12.2	14.9	19.0	21.7	27.1	31.2	36.6
0.0	52.5°	2.7	4.1	5.4	10.9	14.9	20.4	24.4	29.9	35.3	39.4
0.0	55°	1.4	1.4	1.4	8.1	16.3	23.1	31.2	35.3	40.7	44.8
0.0	57.5°	0.0	0.0	0.0	5.4	16.3	25.8	35.3	40.7	46.1	50.2
0.0	60°	0.0	0.0	0.0	5.4	16.3	25.8	35.3	42.1	48.9	55.6
0.0	62.5°	0.0	0.0	0.0	5.4	13.6	21.7	29.9	40.7	52.9	63.8
0.0	65°	0.0	0.0	0.0	4.1	10.9	17.6	24.4	40.7	57.0	71.9
0.0	67.5°	0.0	0.0	0.0	4.1	10.9	16.3	23.1	40.7	57.0	74.7
	70°	0.0	0.0	0.0	4.1	10.9	17.6	24.4	40.7	57.0	73.3
	72.5°	0.0	0.0	0.0	4.1	12.2	19.0	27.1	40.7	54.3	67.9
	75°	0.0	0.0	0.0	5.4	12.2	20.4	28.5	40.7	52.9	63.8
	77.5°	0.0	0.0	0.0	4.1	12.2	19.0	27.1	39.4	51.6	62.4
	80°	4.1	2.7	2.7	6.8	12.2	17.6	23.1	35.3	48.9	61.1
	82.5°	8.1	8.1	6.8	9.5	12.2	16.3	20.4	31.2	43.4	54.3
	85°	16.3	16.3	14.9	16.3	16.3	17.6	19.0	24.4	29.9	35.3
	87.5°	21.7	21.7	20.4	20.4	20.4	19.0	19.0	19.0	19.0	17.6
	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: P1049449

CATALOG NUMBER: GALN-SA7A-950-U-RBC

CANDELA DISTRIBUTION (continued):

245°		220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°
78.7	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
93.7	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.3	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
89.6	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
86.9	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
84.2	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
81.4	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.4	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70.6	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65.1	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59.7	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55.6	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
51.6	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43.4	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.1	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.1	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.1	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40.7	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39.4	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40.7	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44.8	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48.9	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55.6	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.4	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
74.7	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.2	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90.9	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
89.6											
81.4											
76.0											
74.7											
73.3											
65.1											
40.7											
17.6											
0.0											
0.0											
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REPORT NUMBER: P1049449

CATALOG NUMBER: GALN-SA7A-950-U-RBC

CANDELA DISTRIBUTION (continued):

245°		247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°
0.0	0°	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
0.0	2.5°	95.0	96.4	96.4	97.7	99.1	100.4	100.4	101.8	101.8	101.8
0.0	5°	93.7	96.4	97.7	99.1	100.4	101.8	103.2	104.5	105.9	105.9
0.0	7.5°	92.3	93.7	96.4	97.7	100.4	101.8	104.5	105.9	107.2	108.6
0.0	10°	89.6	92.3	95.0	97.7	100.4	103.2	105.9	108.6	111.3	112.7
0.0	12.5°	86.9	90.9	93.7	96.4	100.4	104.5	107.2	111.3	114.0	116.7
0.0	15°	85.5	88.2	92.3	95.0	100.4	105.9	109.9	115.4	120.8	124.9
0.0	17.5°	81.4	86.9	90.9	95.0	100.4	107.2	112.7	118.1	126.2	134.4
0.0	20°	76.0	80.1	85.5	89.6	97.7	104.5	112.7	119.4	131.7	143.9
0.0	22.5°	70.6	76.0	80.1	85.5	95.0	103.2	112.7	120.8	141.2	160.2
0.0	25°	65.1	71.9	77.4	82.8	93.7	104.5	115.4	126.2	160.2	194.1
0.0	27.5°	62.4	67.9	74.7	80.1	93.7	108.6	122.2	135.7	190.0	243.0
0.0	30°	58.4	65.1	70.6	77.4	95.0	112.7	130.3	147.9	230.7	313.5
0.0	32.5°	54.3	61.1	67.9	74.7	97.7	120.8	142.5	165.6	274.2	381.4
0.0	35°	50.2	58.4	65.1	71.9	101.8	133.0	162.9	192.7	313.5	433.0
0.0	37.5°	48.9	57.0	63.8	70.6	103.2	134.4	166.9	198.2	317.6	437.0
0.0	40°	50.2	57.0	65.1	71.9	99.1	126.2	152.0	179.2	304.0	427.5
0.0	42.5°	50.2	58.4	66.5	74.7	96.4	118.1	139.8	161.5	300.0	438.4
0.0	45°	48.9	57.0	65.1	73.3	93.7	112.7	133.0	152.0	324.4	495.4
0.0	47.5°	47.5	55.6	63.8	71.9	92.3	112.7	133.0	153.4	419.4	684.1
0.0	50°	47.5	55.6	62.4	69.2	93.7	119.4	143.9	168.3	610.8	1051.9
0.0	52.5°	50.2	57.0	62.4	67.9	96.4	126.2	154.7	183.2	776.4	1368.1
0.0	55°	54.3	58.4	63.8	67.9	103.2	137.1	172.4	206.3	826.6	1446.9
0.0	57.5°	59.7	63.8	67.9	71.9	115.4	158.8	200.9	244.3	830.7	1415.7
0.0	60°	66.5	71.9	76.0	80.1	126.2	173.7	219.9	266.0	751.9	1236.5
0.0	62.5°	81.4	88.2	93.7	100.4	145.2	188.7	233.5	276.9	624.4	971.8
0.0	65°	93.7	99.1	104.5	109.9	153.4	198.2	241.6	285.0	529.3	773.7
0.0	67.5°	96.4	101.8	105.9	111.3	156.1	200.9	244.3	289.1	453.3	616.2
	70°	97.7	104.5	112.7	119.4	165.6	211.7	256.5	302.7	401.8	500.8
	72.5°	93.7	107.2	119.4	131.7	175.1	217.2	260.6	302.7	373.3	443.8
	75°	93.7	112.7	130.3	147.9	180.5	211.7	244.3	275.5	329.8	384.1
	77.5°	99.1	123.5	147.9	172.4	191.4	209.0	228.0	245.7	281.0	316.2
	80°	99.1	124.9	149.3	175.1	183.2	192.7	200.9	209.0	213.1	217.2
	82.5°	85.5	105.9	126.2	146.6	137.1	127.6	118.1	108.6	101.8	93.7
	85°	43.4	47.5	50.2	52.9	48.9	44.8	40.7	36.6	33.9	29.9
	87.5°	17.6	17.6	16.3	16.3	16.3	16.3	14.9	14.9	14.9	14.9
	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

REPORT NUMBER: P1049449

CATALOG NUMBER: GALN-SA7A-950-U-RBC

CANDELA DISTRIBUTION (continued):

272.5°		247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°
78.7	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
101.8	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105.9	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
109.9	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115.4	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120.8	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
131.7	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145.2	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
166.9	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
213.1	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
289.1	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
401.8	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
544.3	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
680.0	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
772.3	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
841.5	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
910.7	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1046.5	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1317.9	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2008.8	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3077.0	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3873.7	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3961.9	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3575.1	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3056.6	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2388.8	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1805.2	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1332.9	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
943.3											
701.7											
510.3											
384.1											
215.8											
97.7											
28.5											
13.6											
0.0											
0.0											
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REPORT NUMBER: P1049449

CATALOG NUMBER: GALN-SA7A-950-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°	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
0.0	2.5°	101.8	100.4	100.4	99.1	97.7	96.4	95.0	93.7	92.3	90.9
0.0	5°	105.9	105.9	105.9	104.5	104.5	103.2	103.2	101.8	100.4	99.1
0.0	7.5°	109.9	111.3	111.3	112.7	112.7	112.7	112.7	111.3	111.3	111.3
0.0	10°	116.7	118.1	119.4	120.8	122.2	123.5	123.5	124.9	124.9	124.9
0.0	12.5°	124.9	128.9	131.7	135.7	138.4	142.5	145.2	149.3	152.0	154.7
0.0	15°	137.1	143.9	152.0	158.8	165.6	175.1	185.9	195.4	205.0	219.9
0.0	17.5°	154.7	176.4	198.2	218.5	240.2	287.7	335.3	381.4	428.9	498.1
0.0	20°	188.7	253.8	317.6	382.8	446.5	613.5	779.1	946.0	1111.6	1289.4
0.0	22.5°	264.7	424.8	585.0	745.2	905.3	1254.1	1601.6	1950.4	2297.9	2706.4
0.0	25°	384.1	678.6	973.2	1266.4	1560.9	2106.5	2653.5	3199.1	3744.8	4275.5
0.0	27.5°	559.2	1009.8	1460.4	1909.7	2360.3	3100.1	3841.1	4580.9	5320.6	5920.5
0.0	30°	775.0	1385.8	1996.6	2607.4	3218.1	4059.7	4901.2	5741.3	6582.9	7238.4
0.0	32.5°	978.6	1726.5	2474.3	3220.9	3968.7	4927.0	5886.6	6844.8	7803.1	8519.7
0.0	35°	1111.6	2015.6	2920.9	3824.8	4728.8	5765.8	6802.7	7838.4	8875.3	9693.8
0.0	37.5°	1244.6	2288.4	3330.8	4374.5	5416.9	6555.7	7694.5	8833.2	9972.0	10983.2
0.0	40°	1393.9	2618.2	3841.1	5065.4	6288.3	7637.5	8985.3	10334.4	11682.2	13108.7
0.0	42.5°	1653.2	3165.2	4678.6	6190.6	7702.6	9487.5	11272.3	13055.8	14840.6	16876.6
0.0	45°	2140.4	4271.4	6403.7	8534.6	10665.6	13030.0	15395.8	17760.2	20124.6	22833.7
0.0	47.5°	3333.5	6265.3	9195.6	12127.4	15057.8	17610.8	20162.6	22715.6	25267.3	27965.6
0.0	50°	5100.7	8512.9	11925.2	15336.0	18748.3	21058.4	23367.1	25677.2	27986.0	30552.6
0.0	52.5°	6379.3	9934.0	13490.1	17044.9	20599.6	22684.4	24770.6	26855.4	28940.2	31338.5
0.0	55°	6475.6	10010.0	13545.8	17080.1	20614.5	22708.8	24803.1	26897.4	28991.7	31533.9
0.0	57.5°	5733.2	9239.1	12743.6	16249.5	19754.0	22138.8	24522.2	26906.9	29290.3	32038.9
0.0	60°	4876.7	8384.0	11889.9	15397.1	18903.0	21650.1	24398.7	27145.8	29893.0	32467.8
0.0	62.5°	3804.5	7412.2	11021.2	14628.9	18236.6	21025.8	23815.0	26602.9	29392.1	31323.6
0.0	65°	2835.4	6338.5	9841.7	13343.5	16846.7	19080.8	21314.9	23547.6	25781.7	26977.5
0.0	67.5°	2049.5	5070.8	8090.8	11112.1	14132.1	15731.0	17329.9	18927.4	20526.3	21441.1
	70°	1385.8	3478.7	5570.3	7663.3	9754.8	11068.7	12383.9	13697.8	15011.6	16246.8
	72.5°	959.6	2135.0	3311.8	4487.2	5662.6	6984.6	8305.3	9627.3	10947.9	12255.0
	75°	636.6	1171.3	1707.5	2242.2	2777.0	3755.6	4735.6	5714.2	6692.8	7471.9
	77.5°	452.0	612.1	773.7	933.8	1094.0	1277.2	1461.8	1645.0	1828.3	2106.5
	80°	214.5	234.8	255.2	274.2	294.5	361.0	427.5	494.1	560.6	631.1
	82.5°	101.8	109.9	118.1	124.9	133.0	139.8	146.6	153.4	160.2	153.4
	85°	27.1	27.1	28.5	28.5	28.5	28.5	28.5	28.5	28.5	27.1
	87.5°	12.2	12.2	12.2	12.2	12.2	12.2	12.2	10.9	10.9	9.5
	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°
78.7	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
89.6	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.7	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
109.9	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
126.2	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
156.1	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
236.2	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
566.0	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1468.6	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3115.0	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4806.2	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6520.4	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7895.4	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9237.7	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10512.2	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11995.7	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14535.2	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18912.5	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25542.9	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30663.9	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33119.3	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33736.8	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34077.5	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34787.4	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35041.2	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33256.3	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28174.6	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22357.3	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17480.5											
13562.1											
8251.0											
2384.8											
701.7											
145.2											
25.8											
9.5											
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°	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
0.0	2.5°	88.2	86.9	85.5	84.2	82.8	80.1	80.1	78.7	78.7
0.0	5°	96.4	95.0	93.7	92.3	92.3	90.9	89.6	89.6	88.2
0.0	7.5°	109.9	108.6	107.2	105.9	105.9	104.5	104.5	103.2	103.2
0.0	10°	126.2	126.2	126.2	126.2	126.2	124.9	124.9	124.9	123.5
0.0	12.5°	158.8	160.2	162.9	165.6	169.7	169.7	169.7	168.3	168.3
0.0	15°	251.1	266.0	276.9	287.7	297.2	319.0	316.2	312.2	309.5
0.0	17.5°	635.2	703.1	739.7	775.0	811.7	912.1	895.8	879.5	864.6
0.0	20°	1646.4	1824.2	1942.3	2060.4	2179.8	2368.5	2322.3	2276.2	2230.0
0.0	22.5°	3522.2	3930.7	4108.5	4286.3	4462.8	4690.8	4542.9	4394.9	4248.3
0.0	25°	5335.5	5866.2	6166.2	6466.1	6764.7	6895.0	6702.3	6508.2	6315.5
0.0	27.5°	7120.3	7720.3	7984.9	8248.3	8512.9	8785.7	8546.9	8306.6	8067.7
0.0	30°	8550.9	9206.5	9492.9	9777.9	10064.3	10254.3	10007.3	9758.9	9511.9
0.0	32.5°	9954.4	10671.0	10984.6	11298.1	11610.3	11883.1	11579.0	11273.7	10969.6
0.0	35°	11329.3	12147.8	12579.4	13011.0	13442.6	13696.4	13335.4	12973.0	12611.9
0.0	37.5°	13006.9	14018.1	14501.3	14984.5	15467.7	15930.5	15532.8	15133.8	14736.1
0.0	40°	15961.7	17388.3	18129.3	18871.8	19612.9	20210.1	19707.9	19205.7	18703.5
0.0	42.5°	20948.4	22984.4	24049.8	25114.0	26179.4	27111.9	26583.9	26055.9	25527.9
0.0	45°	28252.0	30961.2	32260.1	33557.7	34856.6	35537.9	34777.9	34016.4	33256.3
0.0	47.5°	33360.9	36059.1	37215.6	38372.0	39528.4	40306.1	39376.4	38446.6	37518.2
0.0	50°	35684.5	38251.2	39411.7	40570.8	41731.3	42348.8	41275.2	40200.2	39126.6
0.0	52.5°	36133.8	38532.1	39916.6	41302.4	42686.8	43512.0	42244.3	40975.3	39707.5
0.0	55°	36619.7	39161.9	40767.6	42374.6	43980.3	45123.1	43689.8	42255.2	40821.9
0.0	57.5°	37534.5	40283.0	41884.6	43484.9	45086.5	46057.0	44619.6	43180.9	41743.5
0.0	60°	37616.0	40189.4	41565.7	42943.3	44319.6	44930.4	43555.5	42179.2	40804.2
0.0	62.5°	35187.8	37119.2	38074.7	39030.3	39985.8	40649.5	39214.8	37778.8	36344.2
0.0	65°	29370.4	30566.2	31327.6	32089.1	32850.5	33641.8	32328.0	31014.1	29700.2
0.0	67.5°	23272.1	24186.9	25190.0	26193.0	27196.0	28041.6	26989.7	25936.5	24884.6
	70°	18715.7	19949.5	21077.4	22205.3	23333.2	24025.4	22969.4	21912.1	20856.1
	72.5°	14869.1	16176.2	17118.2	18058.8	19000.7	19170.4	18394.0	17617.6	16842.6
	75°	9028.7	9807.8	9826.8	9844.4	9863.4	10025.0	9381.6	8738.2	8096.2
	77.5°	2663.0	2941.2	3170.6	3398.7	3628.0	3904.9	3668.8	3431.2	3195.1
	80°	770.9	841.5	901.2	959.6	1019.3	984.0	928.4	872.7	817.1
	82.5°	138.4	130.3	128.9	127.6	127.6	120.8	109.9	99.1	88.2
	85°	24.4	23.1	21.7	20.4	19.0	17.6	14.9	13.6	10.9
	87.5°	8.1	6.8	5.4	4.1	4.1	1.4	1.4	1.4	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):

[illegible]

REPORT NUMBER: P1049449

CATALOG NUMBER: GALN-SA7A-950-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°	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
0.0	0.0	2.5°	77.4	76.0	76.0	76.0	76.0	74.7	74.7	74.7	74.7
0.0	0.0	5°	85.5	85.5	84.2	84.2	82.8	82.8	81.4	81.4	80.1
0.0	0.0	7.5°	100.4	99.1	97.7	96.4	95.0	92.3	90.9	89.6	89.6
0.0	0.0	10°	120.8	118.1	116.7	114.0	112.7	109.9	107.2	104.5	101.8
0.0	0.0	12.5°	158.8	153.4	149.3	143.9	138.4	134.4	128.9	124.9	119.4
0.0	0.0	15°	275.5	262.0	247.0	229.4	210.4	192.7	173.7	162.9	150.7
0.0	0.0	17.5°	704.4	633.9	561.9	503.6	445.2	388.2	329.8	287.7	245.7
0.0	0.0	20°	1793.0	1597.5	1402.1	1209.3	1015.3	822.5	628.4	530.7	433.0
0.0	0.0	22.5°	3374.2	3011.8	2648.1	2296.5	1943.6	1592.1	1240.6	1019.3	799.4
0.0	0.0	25°	5207.9	4751.9	4295.8	3717.6	3138.1	2559.9	1981.6	1622.0	1262.3
0.0	0.0	27.5°	6777.0	6251.7	5726.4	5023.3	4320.3	3617.2	2914.1	2378.0	1843.2
0.0	0.0	30°	8135.6	7571.0	7006.3	6187.9	5369.4	4551.0	3732.5	3062.0	2391.5
0.0	0.0	32.5°	9313.7	8637.8	7961.9	7117.6	6273.4	5429.2	4584.9	3762.4	2939.9
0.0	0.0	35°	10672.4	9883.8	9093.8	8157.3	7219.4	6282.9	5346.4	4418.0	3488.2
0.0	0.0	37.5°	12398.9	11431.1	10462.0	9418.2	8374.5	7332.1	6288.3	5226.9	4165.5
0.0	0.0	40°	15703.9	14455.1	13206.4	11880.4	10552.9	9226.9	7900.8	6597.8	5294.8
0.0	0.0	42.5°	21625.7	19938.6	18251.5	16487.0	14721.2	12956.7	11190.9	9353.1	7514.0
0.0	0.0	45°	28309.0	26216.1	24121.8	22141.5	20159.8	18179.6	16199.3	13677.4	11155.6
0.0	0.0	47.5°	32067.4	29807.5	27547.6	25673.2	23798.7	21924.3	20049.9	17331.2	14612.6
0.0	0.0	50°	33450.4	31149.8	28849.2	27124.1	25397.6	23672.5	21946.0	19223.3	16499.2
0.0	0.0	52.5°	33745.0	31398.2	29051.5	27315.5	25579.5	23844.9	22108.9	19403.8	16698.8
0.0	0.0	55°	34350.3	31832.5	29313.4	27334.5	25355.6	23376.6	21397.7	18649.2	15900.7
0.0	0.0	57.5°	35141.6	32560.1	29978.5	27724.0	25469.6	23216.5	20962.0	17957.0	14951.9
0.0	0.0	60°	34934.0	32687.6	30440.0	28025.3	25609.4	23194.7	20778.8	17473.8	14167.4
0.0	0.0	62.5°	31329.0	29540.1	27749.8	25764.1	23777.0	21791.3	19805.6	16402.9	13000.1
0.0	0.0	65°	25773.6	24467.9	23162.2	21564.6	19965.7	18368.2	16770.7	13719.5	10669.7
0.0	0.0	67.5°	20888.7	19417.4	17944.7	16671.6	15397.1	14124.0	12849.5	10448.4	8047.4
		70°	16595.6	14995.3	13393.7	12150.5	10905.8	9662.6	8419.3	6823.1	5228.3
		72.5°	13179.3	11736.5	10293.7	8967.6	7640.2	6314.1	4986.7	4043.4	3100.1
		75°	6299.2	5722.3	5145.5	4451.9	3758.3	3064.8	2371.2	1959.9	1550.0
		77.5°	2334.5	2023.7	1711.5	1429.2	1146.9	866.0	583.6	534.8	485.9
		80°	604.0	526.6	447.9	392.3	335.3	279.6	224.0	202.2	181.9
		82.5°	69.2	63.8	59.7	57.0	52.9	50.2	46.1	42.1	38.0
		85°	4.1	2.7	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: P1049449

CATALOG NUMBER: GALN-SA7A-950-U-RBC

CANDELA DISTRIBUTION (continued):

352.5°	355°		357.5°	360°
0.0	0.0	0°	78.7	78.7
0.0	0.0	2.5°	73.3	71.9
0.0	0.0	5°	77.4	76.0
0.0	0.0	7.5°	85.5	82.8
0.0	0.0	10°	93.7	90.9
0.0	0.0	12.5°	105.9	101.8
0.0	0.0	15°	119.4	111.3
0.0	0.0	17.5°	142.5	124.9
0.0	0.0	20°	192.7	147.9
0.0	0.0	22.5°	271.5	184.6
0.0	0.0	25°	399.0	255.2
0.0	0.0	27.5°	555.1	339.3
0.0	0.0	30°	738.4	424.8
0.0	0.0	32.5°	899.9	506.3
0.0	0.0	35°	1110.3	589.1
0.0	0.0	37.5°	1369.5	694.9
0.0	0.0	40°	1771.3	855.1
0.0	0.0	42.5°	2494.7	1151.0
0.0	0.0	45°	4051.5	1989.8
0.0	0.0	47.5°	6234.0	3291.4
0.0	0.0	50°	7626.6	4200.8
0.0	0.0	52.5°	7740.6	4194.0
0.0	0.0	55°	7066.1	3728.5
0.0	0.0	57.5°	6029.1	3116.3
0.0	0.0	60°	5011.1	2464.8
0.0	0.0	62.5°	3948.4	1702.0
0.0	0.0	65°	2885.6	1203.9
0.0	0.0	67.5°	2072.6	899.9
		70°	1362.7	689.5
		72.5°	887.7	561.9
		75°	597.2	465.6
		77.5°	348.8	309.5
		80°	123.5	108.6
		82.5°	23.1	16.3
		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: P1049449

CATALOG NUMBER: GALN-SA7A-950-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: SP1-2407-184-17

Test Date: 10/11/2024

Luminaire Tested: GSS-SB1A-950-U-5WQ

Data in this report applies to families of products including GSS-SB1A-950-U-5WQ

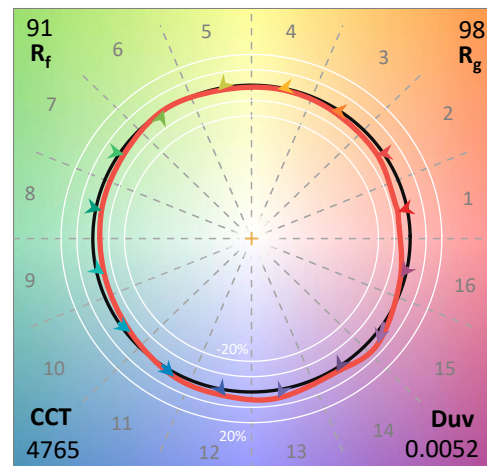
Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-17
 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-950-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 90 CRI
 5000K CCT 26 LEDS

Spectral Parameters

CCT (K): 4765
 CIE u' : 0.2105
 CIE v' : 0.4941
 Duv: 0.0052
 CIE x: 0.3536
 CIE y: 0.3689
 CIE z: 0.2775
 Peak Wavelength (nm): 449
 Dominant Wavelength (nm): 571
 Purity: 16.80041
 R_f: 90.7
 R_g: 98

CRI (Ra): 90.8
 R1: 89.8
 R2: 93.1
 R3: 95.3
 R4: 90.3
 R5: 89.0
 R6: 89.7
 R7: 94.9
 R8: 84.0
 R9: 54.9
 R10: 83.0
 R11: 89.6
 R12: 68.0
 R13: 90.6
 R14: 97.3
 R15: 86.2



Test Conditions

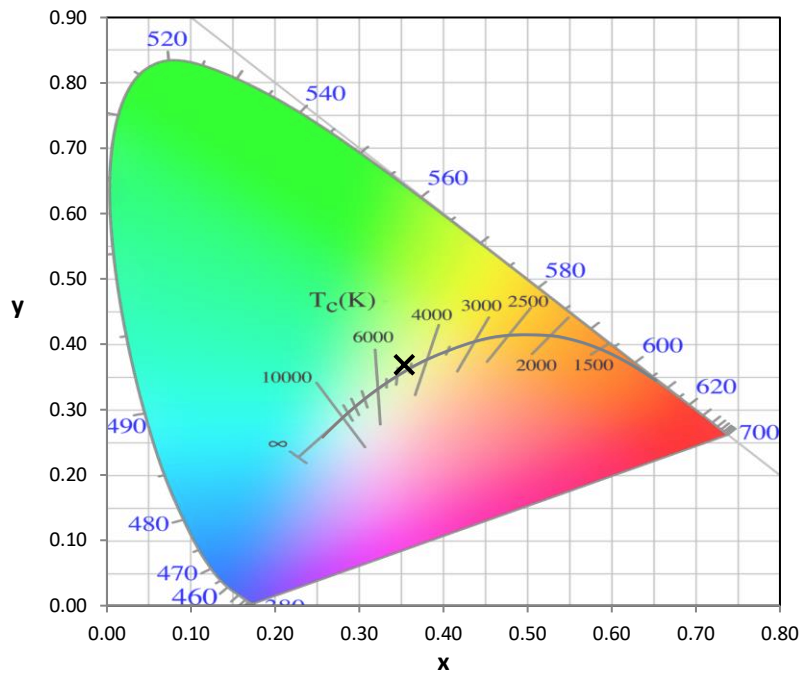
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-17

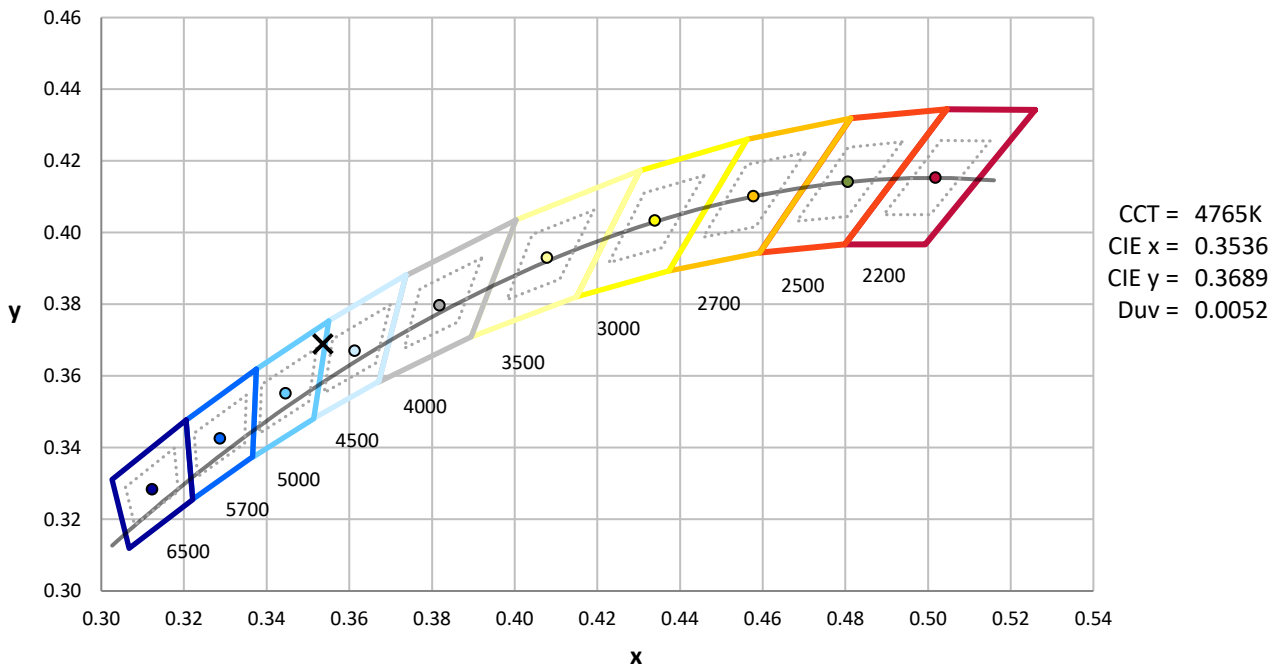
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-17

CIE 1931 Chromaticity Diagram



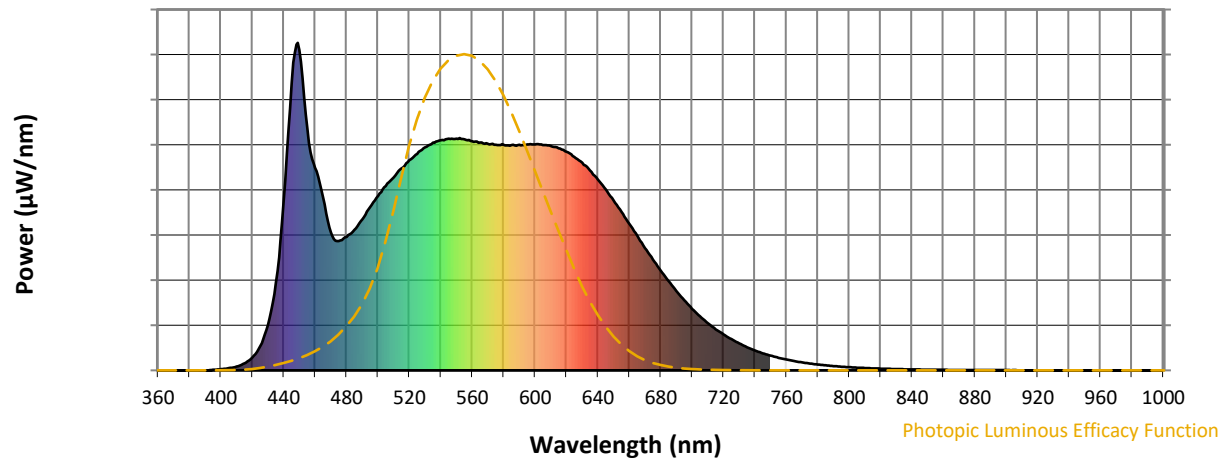
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 5000K 7-step quadrangle

REPORT NUMBER: SP1-2407-184-17

Photopic Flux vs. Wavelength

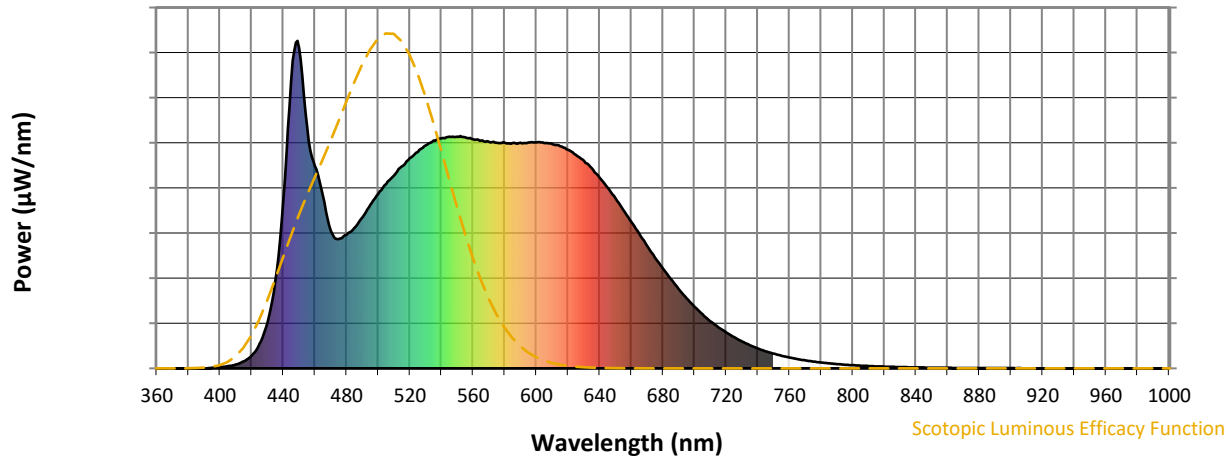


Photopic Lumens: NR

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	462	NR	620	668	NR	750	45	NR	880	1	NR
365	0	NR	495	498	NR	625	652	NR	755	39	NR	885	1	NR
370	0	NR	500	533	NR	630	634	NR	760	33	NR	890	1	NR
375	0	NR	505	562	NR	635	610	NR	765	28	NR	895	1	NR
380	0	NR	510	590	NR	640	583	NR	770	24	NR	900	1	NR
385	0	NR	515	617	NR	645	552	NR	775	21	NR	905	1	NR
390	0	NR	520	642	NR	650	519	NR	780	18	NR	910	0	NR
395	2	NR	525	661	NR	655	484	NR	785	15	NR	915	0	NR
400	4	NR	530	681	NR	660	448	NR	790	13	NR	920	0	NR
405	7	NR	535	695	NR	665	411	NR	795	11	NR	925	0	NR
410	12	NR	540	702	NR	670	373	NR	800	10	NR	930	0	NR
415	21	NR	545	708	NR	675	338	NR	805	8	NR	935	0	NR
420	39	NR	550	707	NR	680	305	NR	810	7	NR	940	0	NR
425	74	NR	555	706	NR	685	272	NR	815	6	NR	945	0	NR
430	139	NR	560	700	NR	690	243	NR	820	5	NR	950	0	NR
435	270	NR	565	696	NR	695	214	NR	825	5	NR	955	0	NR
440	517	NR	570	692	NR	700	188	NR	830	4	NR	960	0	NR
445	877	NR	575	689	NR	705	165	NR	835	3	NR	965	0	NR
450	978	NR	580	688	NR	710	144	NR	840	3	NR	970	0	NR
455	738	NR	585	688	NR	715	125	NR	845	3	NR	975	0	NR
460	618	NR	590	689	NR	720	110	NR	850	2	NR	980	0	NR
465	529	NR	595	690	NR	725	95	NR	855	2	NR	985	0	NR
470	420	NR	600	690	NR	730	82	NR	860	2	NR	990	0	NR
475	395	NR	605	688	NR	735	71	NR	865	1	NR	995	0	NR
480	408	NR	610	685	NR	740	61	NR	870	1	NR	1000	0	NR
485	429	NR	615	678	NR	745	52	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-17

Scotopic Flux vs. Wavelength



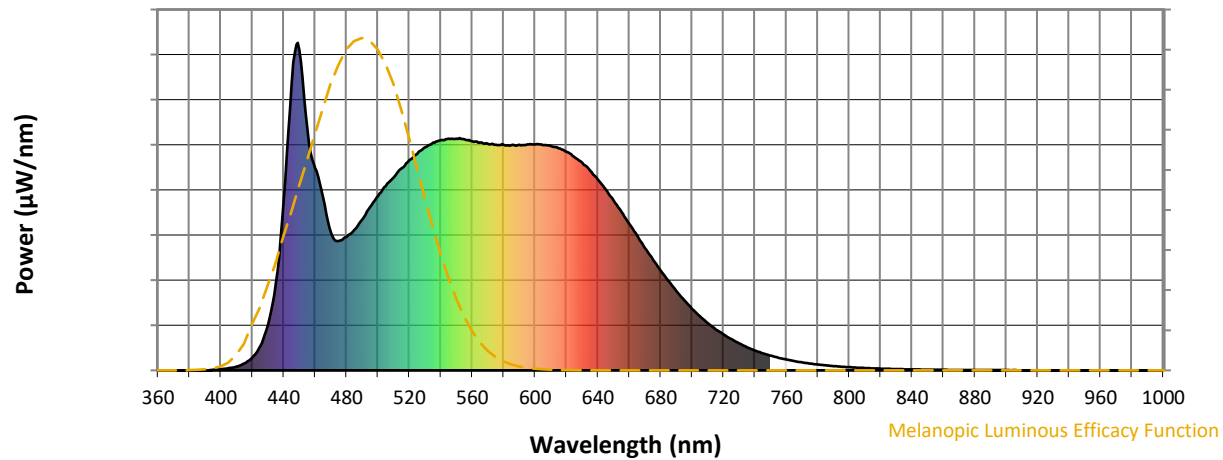
Scotopic Lumens: NR

S/P: 1.99

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	462	NR	620	668	NR	750	45	NR	880	1	NR
365	0	NR	495	498	NR	625	652	NR	755	39	NR	885	1	NR
370	0	NR	500	533	NR	630	634	NR	760	33	NR	890	1	NR
375	0	NR	505	562	NR	635	610	NR	765	28	NR	895	1	NR
380	0	NR	510	590	NR	640	583	NR	770	24	NR	900	1	NR
385	0	NR	515	617	NR	645	552	NR	775	21	NR	905	1	NR
390	0	NR	520	642	NR	650	519	NR	780	18	NR	910	0	NR
395	2	NR	525	661	NR	655	484	NR	785	15	NR	915	0	NR
400	4	NR	530	681	NR	660	448	NR	790	13	NR	920	0	NR
405	7	NR	535	695	NR	665	411	NR	795	11	NR	925	0	NR
410	12	NR	540	702	NR	670	373	NR	800	10	NR	930	0	NR
415	21	NR	545	708	NR	675	338	NR	805	8	NR	935	0	NR
420	39	NR	550	707	NR	680	305	NR	810	7	NR	940	0	NR
425	74	NR	555	706	NR	685	272	NR	815	6	NR	945	0	NR
430	139	NR	560	700	NR	690	243	NR	820	5	NR	950	0	NR
435	270	NR	565	696	NR	695	214	NR	825	5	NR	955	0	NR
440	517	NR	570	692	NR	700	188	NR	830	4	NR	960	0	NR
445	877	NR	575	689	NR	705	165	NR	835	3	NR	965	0	NR
450	978	NR	580	688	NR	710	144	NR	840	3	NR	970	0	NR
455	738	NR	585	688	NR	715	125	NR	845	3	NR	975	0	NR
460	618	NR	590	689	NR	720	110	NR	850	2	NR	980	0	NR
465	529	NR	595	690	NR	725	95	NR	855	2	NR	985	0	NR
470	420	NR	600	690	NR	730	82	NR	860	2	NR	990	0	NR
475	395	NR	605	688	NR	735	71	NR	865	1	NR	995	0	NR
480	408	NR	610	685	NR	740	61	NR	870	1	NR	1000	0	NR
485	429	NR	615	678	NR	745	52	NR	875	1	NR			

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Melanopic Flux vs. Wavelength


Melanopic Lumens: NR
M/P: 4.22

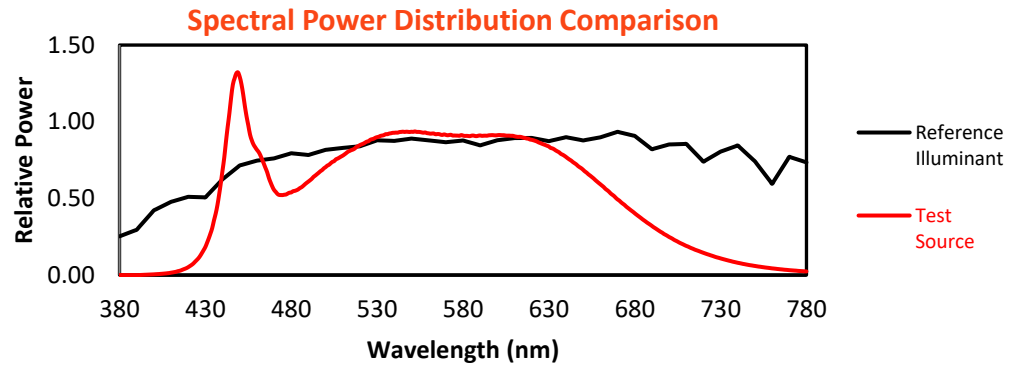
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	462	NR	620	668	NR	750	45	NR	880	1	NR
365	0	NR	495	498	NR	625	652	NR	755	39	NR	885	1	NR
370	0	NR	500	533	NR	630	634	NR	760	33	NR	890	1	NR
375	0	NR	505	562	NR	635	610	NR	765	28	NR	895	1	NR
380	0	NR	510	590	NR	640	583	NR	770	24	NR	900	1	NR
385	0	NR	515	617	NR	645	552	NR	775	21	NR	905	1	NR
390	0	NR	520	642	NR	650	519	NR	780	18	NR	910	0	NR
395	2	NR	525	661	NR	655	484	NR	785	15	NR	915	0	NR
400	4	NR	530	681	NR	660	448	NR	790	13	NR	920	0	NR
405	7	NR	535	695	NR	665	411	NR	795	11	NR	925	0	NR
410	12	NR	540	702	NR	670	373	NR	800	10	NR	930	0	NR
415	21	NR	545	708	NR	675	338	NR	805	8	NR	935	0	NR
420	39	NR	550	707	NR	680	305	NR	810	7	NR	940	0	NR
425	74	NR	555	706	NR	685	272	NR	815	6	NR	945	0	NR
430	139	NR	560	700	NR	690	243	NR	820	5	NR	950	0	NR
435	270	NR	565	696	NR	695	214	NR	825	5	NR	955	0	NR
440	517	NR	570	692	NR	700	188	NR	830	4	NR	960	0	NR
445	877	NR	575	689	NR	705	165	NR	835	3	NR	965	0	NR
450	978	NR	580	688	NR	710	144	NR	840	3	NR	970	0	NR
455	738	NR	585	688	NR	715	125	NR	845	3	NR	975	0	NR
460	618	NR	590	689	NR	720	110	NR	850	2	NR	980	0	NR
465	529	NR	595	690	NR	725	95	NR	855	2	NR	985	0	NR
470	420	NR	600	690	NR	730	82	NR	860	2	NR	990	0	NR
475	395	NR	605	688	NR	735	71	NR	865	1	NR	995	0	NR
480	408	NR	610	685	NR	740	61	NR	870	1	NR	1000	0	NR
485	429	NR	615	678	NR	745	52	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-17

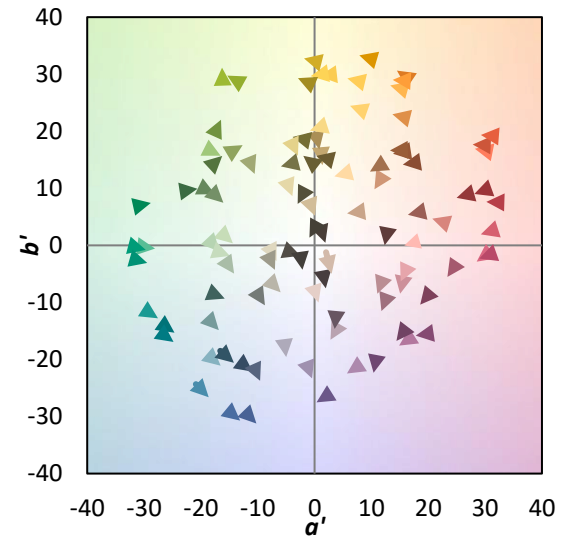
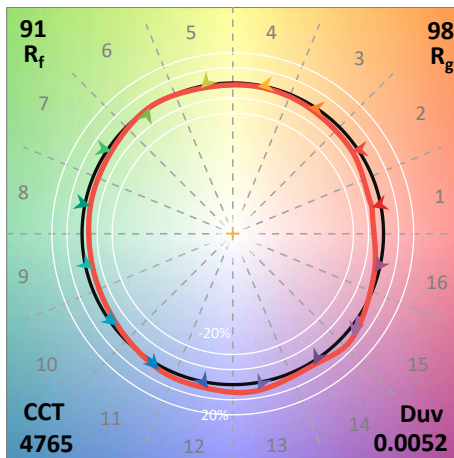
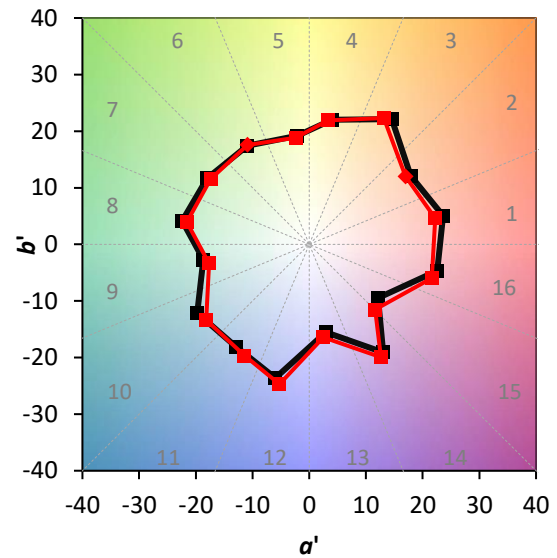
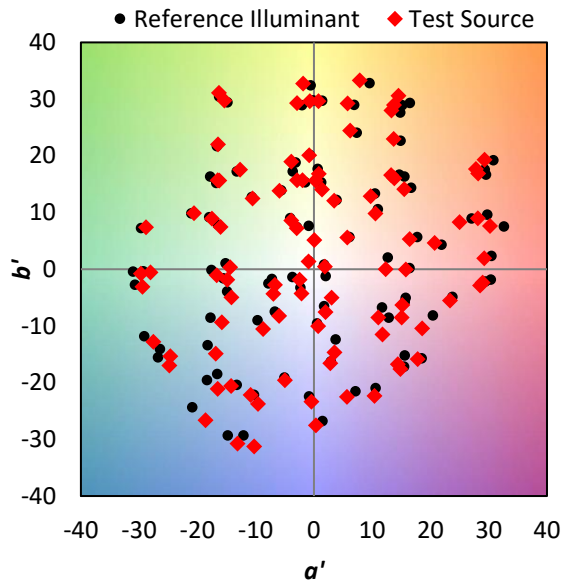
TM-30-18

Summary

$R_f = 90.7$
 $R_g = 98$
 CIE $R_a = 90.8$
 $R_9 = 54.9$

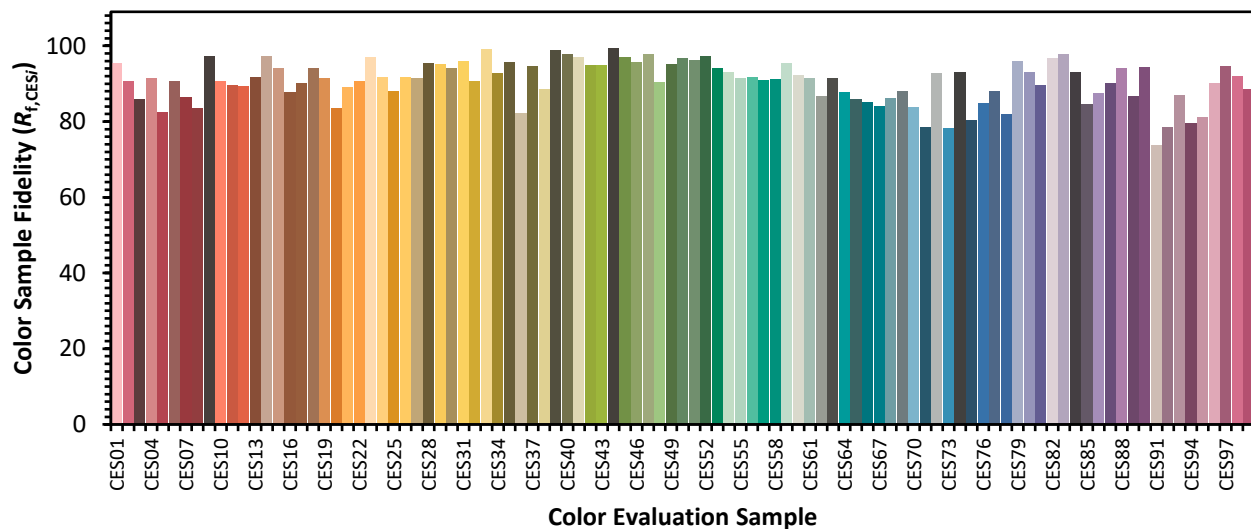


Color Vector Graphics

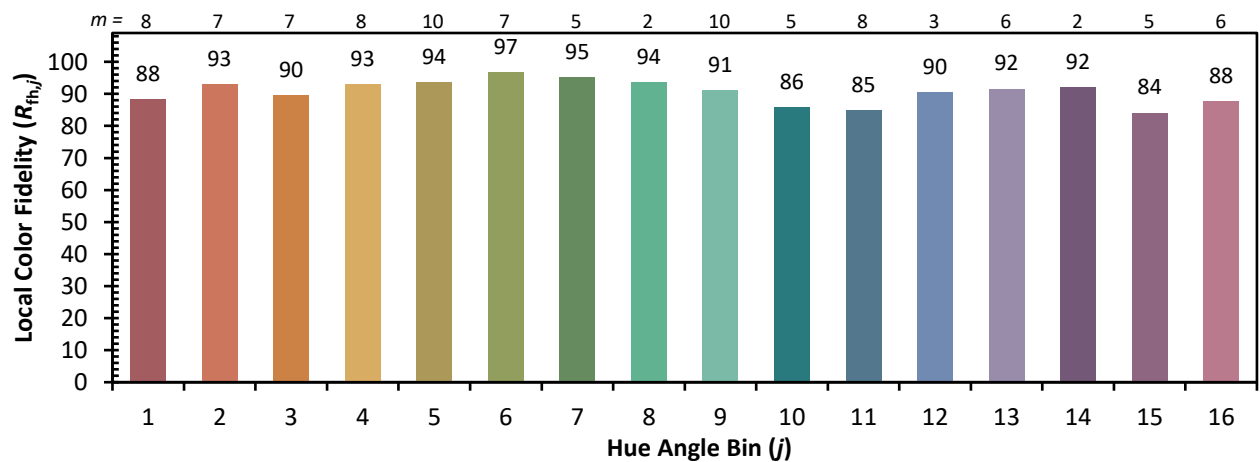
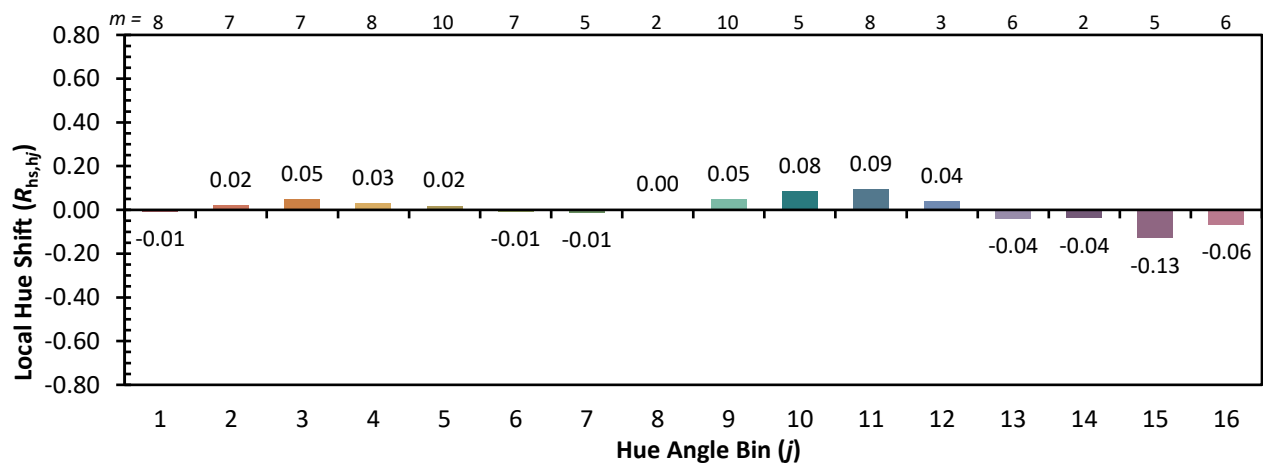
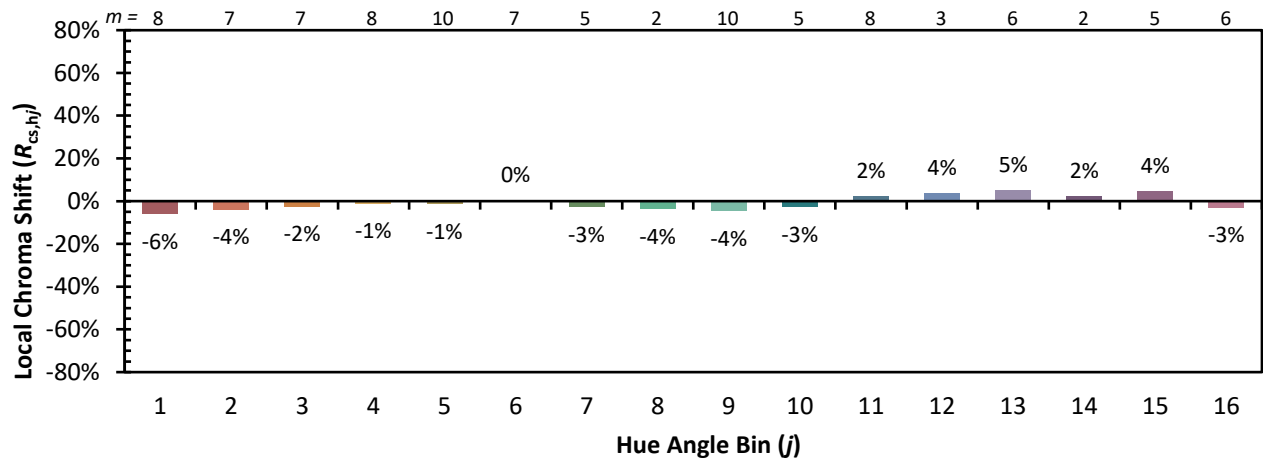


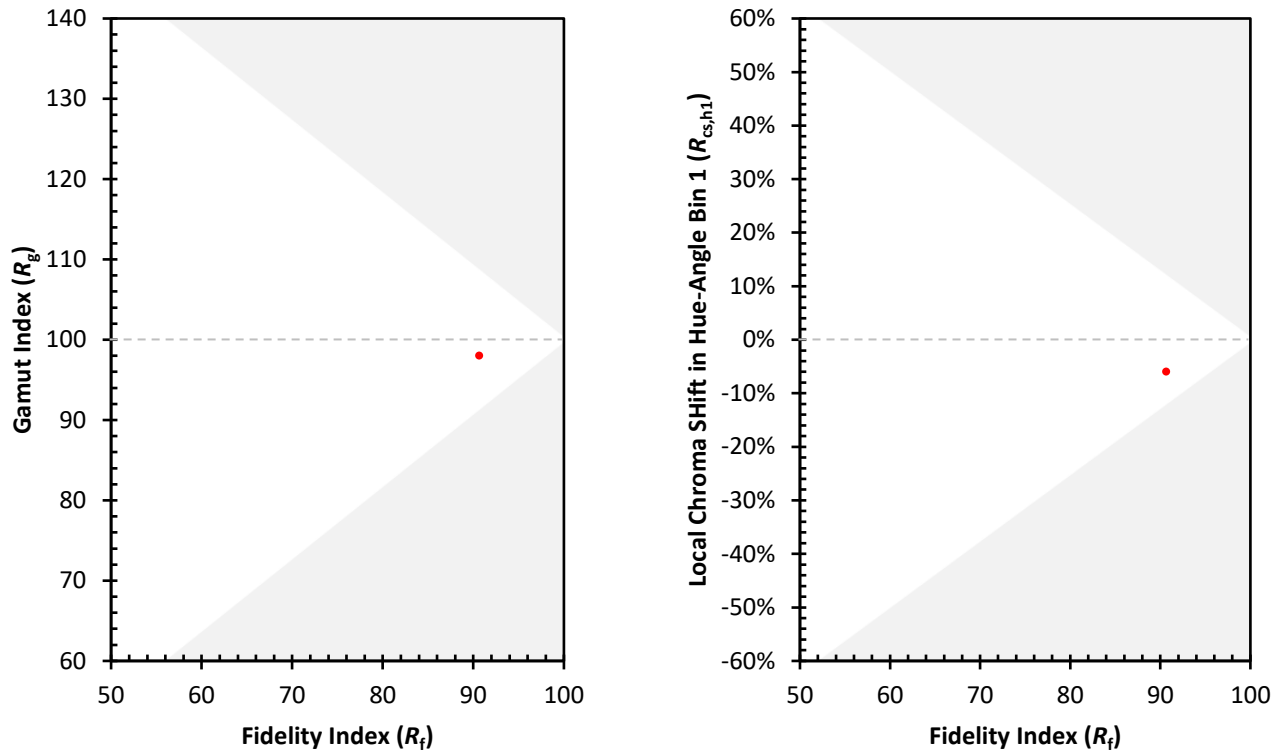
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 85	CES26 = 92	CES51 = 96	CES76 = 85
CES02 = 60	CES27 = 92	CES52 = 97	CES77 = 88
CES03 = 31	CES28 = 95	CES53 = 94	CES78 = 82
CES04 = 69	CES29 = 95	CES54 = 93	CES79 = 96
CES05 = 48	CES30 = 94	CES55 = 92	CES80 = 93
CES06 = 50	CES31 = 96	CES56 = 92	CES81 = 89
CES07 = 41	CES32 = 91	CES57 = 91	CES82 = 97
CES08 = 40	CES33 = 99	CES58 = 91	CES83 = 98
CES09 = 29	CES34 = 93	CES59 = 95	CES84 = 93
CES10 = 73	CES35 = 96	CES60 = 92	CES85 = 85
CES11 = 56	CES36 = 82	CES61 = 92	CES86 = 88
CES12 = 62	CES37 = 95	CES62 = 87	CES87 = 90
CES13 = 42	CES38 = 89	CES63 = 91	CES88 = 94
CES14 = 74	CES39 = 99	CES64 = 88	CES89 = 87
CES15 = 71	CES40 = 98	CES65 = 86	CES90 = 94
CES16 = 46	CES41 = 97	CES66 = 85	CES91 = 74
CES17 = 48	CES42 = 95	CES67 = 84	CES92 = 78
CES18 = 56	CES43 = 95	CES68 = 86	CES93 = 87
CES19 = 70	CES44 = 100	CES69 = 88	CES94 = 80
CES20 = 65	CES45 = 97	CES70 = 84	CES95 = 81
CES21 = 85	CES46 = 96	CES71 = 79	CES96 = 90
CES22 = 77	CES47 = 98	CES72 = 93	CES97 = 95
CES23 = 91	CES48 = 90	CES73 = 78	CES98 = 92
CES24 = 90	CES49 = 95	CES74 = 93	CES99 = 88
CES25 = 70	CES50 = 97	CES75 = 80	



Color Rendition by Hue-Angle Bin



Measure Comparisons


(END OF REPORT)