

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: P1049433

Luminaire Tested: **GALN-SA3A-950-U-RBC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1049433
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA3A-950-U-RBC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 615mA 3xLight Square PACKAGE
90CRI 5000K FIXTURE w/ RIGHT CORNER BACKLIGHT CONTROL
Light Source: (42) 5000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7915.7 lumens
Efficiency: N/A
Efficacy: 97.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G2

Input Watts (W): 81.4
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

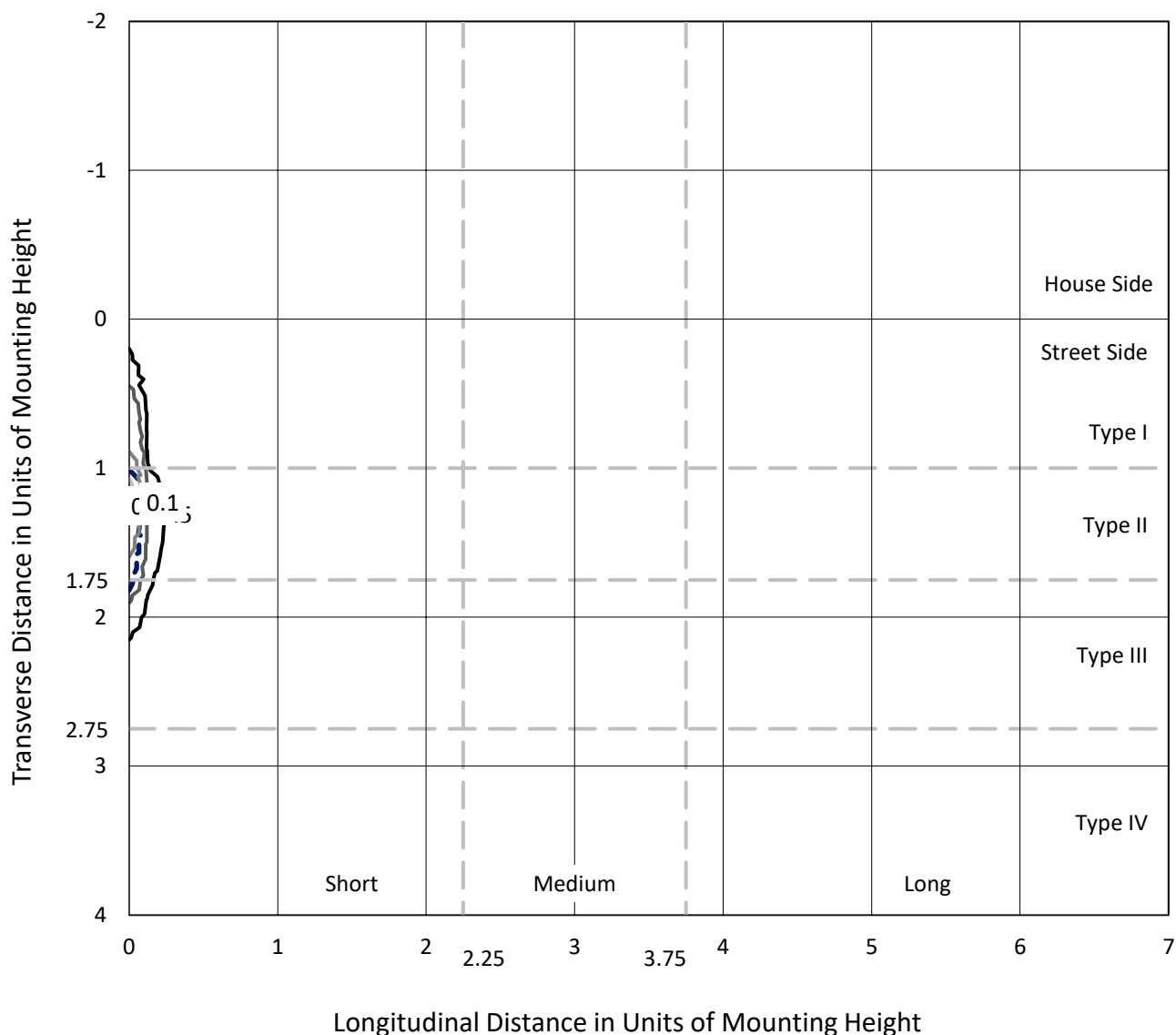
REPORT NUMBER: P1049433

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

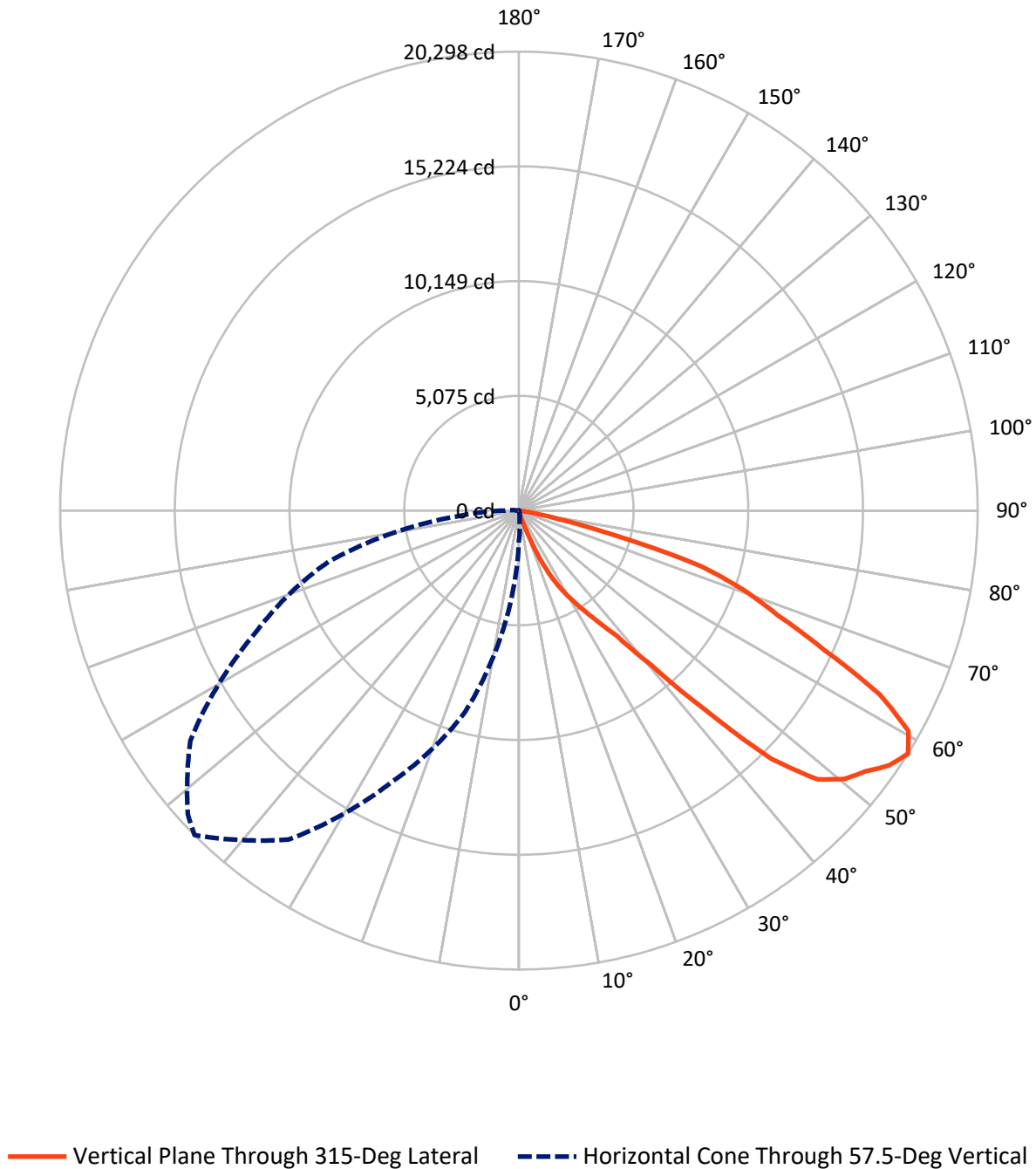


Based on 20 foot mounting height. Maximum calculated value = 1.2 fc

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	39.6	0.0	39.6
	% Fixture	0.5	0.0	0.5
Street Side	Lumens	7876.0	0.0	7876.0
	% Fixture	99.5	0.0	99.5
Total	Lumens	7915.7	0.0	7915.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.1	0.0
10°-20°	17.4	0.2
20°-30°	187.6	2.4
30°-40°	554.7	7.0
40°-50°	1653.3	20.9
50°-60°	2621.5	33.1
60°-70°	2188.3	27.6
70°-80°	674.8	8.5
80°-90°	15.0	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°	7915.7	100.0
0°-180°	7915.7	100.0



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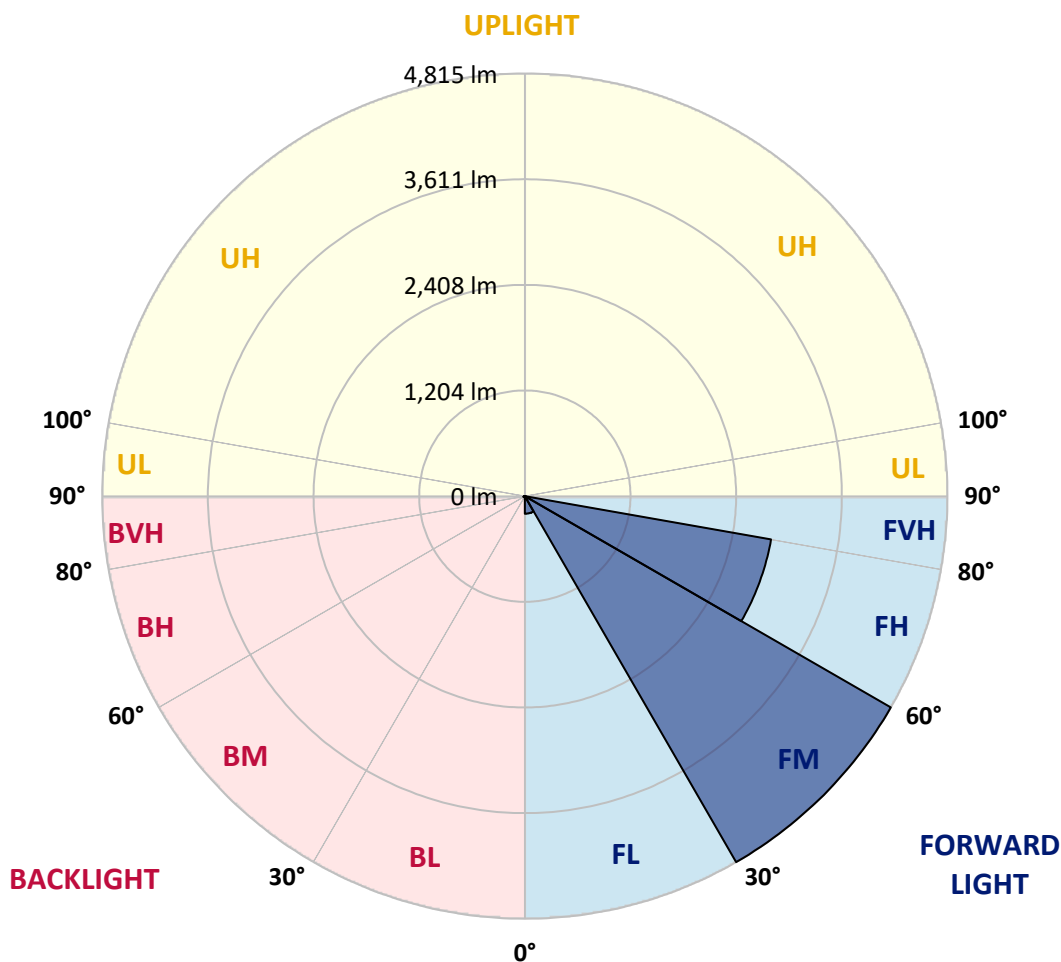
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	200.8	2.5			
FM	(30°-60°)	4815.3	60.8			
FH	(60°-80°)	2848.3	36.0			G2/5000
FVH	(80°-90°)	11.6	0.1			G1/100
BL	(0°-30°)	7.3	0.1	B0/110		
BM	(30°-60°)	14.2	0.2	B0/220		
BH	(60°-80°)	14.8	0.2	B0/110		G0/110
BVH	(80°-90°)	3.4	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-G2

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°	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
2.5°	31.7	31.7	31.7	31.7	31.1	31.1	30.5	30.5	29.9	29.9
5°	33.5	33.5	32.9	32.3	32.3	31.7	31.1	30.5	30.5	29.9
7.5°	36.5	35.9	35.3	34.7	33.5	32.9	31.7	31.1	30.5	29.3
10°	40.1	38.9	37.7	36.5	35.3	34.1	32.9	32.3	31.1	30.5
12.5°	44.9	43.1	40.7	38.9	37.7	35.9	34.7	33.5	31.7	30.5
15°	49.1	46.7	43.7	41.3	39.5	37.1	35.3	33.5	32.3	30.5
17.5°	55.0	50.8	46.1	43.1	40.7	37.7	34.7	32.9	31.1	28.7
20°	65.2	56.8	47.9	44.3	40.7	37.1	33.5	31.1	29.3	26.9
22.5°	81.4	67.0	52.6	47.3	42.5	37.1	32.3	29.9	27.5	25.1
25°	112.5	86.7	61.0	53.8	46.7	39.5	32.3	29.3	26.9	23.9
27.5°	149.5	111.3	72.4	62.2	52.6	42.5	32.3	28.7	25.7	22.1
30°	187.2	136.4	84.9	71.8	58.6	45.5	32.3	28.1	24.5	20.3
32.5°	223.1	159.7	95.7	80.2	64.6	48.5	32.9	28.1	23.3	18.5
35°	259.6	178.9	97.5	81.4	65.2	48.5	32.3	26.9	22.1	16.7
37.5°	306.3	200.4	93.9	77.8	62.2	46.1	30.5	25.7	20.9	15.6
40°	376.9	236.3	95.7	79.0	62.2	45.5	28.7	23.9	19.7	15.0
42.5°	507.3	305.7	103.5	84.3	65.2	45.5	26.3	22.1	18.5	14.4
45°	876.9	507.9	138.8	110.1	81.4	52.6	23.9	20.3	17.3	13.8
47.5°	1450.6	850.0	249.4	192.6	136.4	79.6	23.3	20.3	17.3	13.8
50°	1851.4	1082.7	314.0	241.7	169.3	96.9	24.5	20.9	17.9	14.4
52.5°	1848.4	1099.5	349.9	268.6	187.8	106.5	25.7	22.1	19.1	15.6
55°	1643.2	1000.2	356.5	274.0	192.0	109.5	27.5	23.9	20.3	16.7
57.5°	1373.4	849.4	325.4	251.8	178.9	105.3	31.7	27.5	23.9	19.7
60°	1086.3	670.0	253.6	200.4	147.8	94.5	41.9	36.5	31.7	26.3
62.5°	750.1	485.7	221.3	177.7	134.6	90.9	47.9	42.5	37.7	32.3
65°	530.6	365.5	199.8	162.7	126.2	89.1	52.0	46.1	40.7	34.7
67.5°	396.6	290.7	184.2	152.5	120.8	89.1	57.4	50.2	43.7	36.5
70°	303.9	238.7	172.9	147.2	122.0	96.3	70.6	60.4	50.8	40.7
72.5°	247.6	204.0	159.7	141.2	122.6	104.1	85.5	72.4	59.2	45.5
75°	205.2	174.7	144.2	128.6	113.7	98.1	82.5	70.6	59.2	47.3
77.5°	136.4	124.4	111.9	102.9	93.9	84.3	75.4	65.2	55.6	45.5
80°	47.9	46.1	44.3	47.9	51.4	55.0	58.6	51.4	44.9	37.7
82.5°	7.2	6.6	6.0	6.6	7.2	7.8	8.4	9.0	9.6	10.2
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°	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
0.0	2.5°	29.3	29.3	28.7	28.7	28.7	28.1	28.1	27.5	27.5	27.5
0.0	5°	28.7	28.7	28.1	27.5	26.9	26.9	26.3	25.7	25.7	25.1
0.0	7.5°	28.1	27.5	26.9	26.3	25.7	25.1	24.5	23.9	23.9	23.3
0.0	10°	28.7	27.5	26.9	25.7	25.1	24.5	23.3	22.7	22.1	22.1
0.0	12.5°	27.5	26.9	25.7	24.5	23.9	22.7	22.1	20.9	20.3	20.3
0.0	15°	27.5	26.3	24.5	23.3	22.1	21.5	20.3	19.1	18.5	17.9
0.0	17.5°	25.7	24.5	22.7	21.5	20.3	19.1	17.9	16.7	16.2	15.6
0.0	20°	23.3	22.1	20.3	18.5	17.3	16.2	15.0	13.8	13.2	12.6
0.0	22.5°	20.9	19.7	17.9	16.2	15.0	13.8	12.0	10.8	10.2	9.0
0.0	25°	19.7	17.9	16.2	14.4	12.6	11.4	9.6	7.8	6.6	5.4
0.0	27.5°	16.7	15.0	13.2	11.4	9.6	7.8	6.0	4.2	3.0	2.4
0.0	30°	14.4	12.6	10.8	9.0	6.6	4.8	3.0	0.6	0.6	0.6
0.0	32.5°	12.0	10.2	7.8	6.0	4.8	3.0	1.8	0.0	0.0	0.0
0.0	35°	9.6	7.8	5.4	3.6	3.0	1.8	1.2	0.0	0.0	0.0
0.0	37.5°	8.4	6.6	4.2	1.8	1.2	1.2	0.6	0.0	0.0	0.0
0.0	40°	7.8	5.4	3.0	0.6	0.6	0.6	0.0	0.0	0.0	0.0
0.0	42.5°	7.8	5.4	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	7.8	5.4	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	7.8	5.4	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	8.4	6.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	9.6	7.2	4.8	2.4	1.8	1.2	0.6	0.0	0.0	0.0
0.0	55°	12.0	10.8	9.0	7.8	6.0	4.2	1.8	0.0	0.0	0.0
0.0	57.5°	15.6	15.6	15.0	14.4	10.8	7.2	3.6	0.0	0.0	0.0
0.0	60°	20.9	20.9	20.9	20.9	15.6	10.8	5.4	0.0	0.0	0.0
0.0	62.5°	25.7	24.5	22.7	21.5	16.2	10.8	5.4	0.0	0.0	0.0
0.0	65°	25.7	23.3	20.3	17.3	13.2	9.0	4.2	0.0	0.0	0.0
0.0	67.5°	23.9	19.1	13.8	9.0	6.6	4.8	2.4	0.0	0.0	0.0
	70°	23.9	16.7	9.6	2.4	1.8	1.2	0.6	0.0	0.0	0.0
	72.5°	23.9	16.2	7.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	75°	26.3	17.9	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	77.5°	26.3	17.9	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	80°	23.3	15.6	7.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	82.5°	7.8	5.4	2.4	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

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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°	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
0.0	2.5°	26.9	26.9	26.9	26.3	26.3	26.3	26.3	25.7	25.7	25.7
0.0	5°	24.5	24.5	23.9	23.9	23.3	23.3	22.7	22.7	22.1	22.1
0.0	7.5°	22.7	22.1	22.1	21.5	20.9	20.9	20.3	20.3	19.7	19.1
0.0	10°	20.9	20.3	20.3	19.7	19.1	18.5	18.5	17.9	17.3	16.7
0.0	12.5°	19.1	18.5	17.9	17.3	16.7	16.2	16.2	15.6	15.0	14.4
0.0	15°	16.7	16.2	15.6	15.0	14.4	13.8	13.8	13.2	12.6	12.0
0.0	17.5°	14.4	13.8	13.8	13.2	12.6	12.0	11.4	10.2	9.6	9.0
0.0	20°	10.8	10.2	9.6	9.0	8.4	7.2	6.6	5.4	4.2	3.6
0.0	22.5°	7.2	6.0	5.4	4.2	3.0	2.4	1.8	0.6	0.0	0.0
0.0	25°	2.4	1.8	1.2	0.6	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: GALN-SA3A-950-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049433

CATALOG NUMBER: GALN-SA3A-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°	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
0.0	2.5°	25.1	25.1	25.1	24.5	24.5	24.5	24.5	24.5	24.5	24.5
0.0	5°	21.5	21.5	21.5	20.9	20.9	20.3	20.3	20.3	19.7	19.7
0.0	7.5°	18.5	17.9	17.9	17.3	17.3	16.7	16.7	16.7	16.2	16.2
0.0	10°	15.6	15.0	15.0	14.4	14.4	13.8	13.8	13.2	13.2	12.6
0.0	12.5°	13.8	13.2	12.6	12.0	12.0	11.4	10.8	10.8	10.2	9.6
0.0	15°	10.8	10.2	9.6	9.0	8.4	7.8	7.2	7.2	6.6	6.0
0.0	17.5°	7.2	6.0	5.4	4.8	4.8	4.2	3.6	3.0	2.4	1.8
0.0	20°	1.8	1.2	0.6	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
	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: P1049433

CATALOG NUMBER: GALN-SA3A-950-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049433

CATALOG NUMBER: GALN-SA3A-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°	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
0.0	2.5°	24.5	23.9	23.9	23.9	24.5	24.5	24.5	24.5	24.5	24.5
0.0	5°	19.7	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1
0.0	7.5°	16.2	15.6	15.6	15.6	15.6	15.0	15.0	15.0	15.0	15.0
0.0	10°	12.6	12.0	12.0	12.0	12.0	11.4	11.4	11.4	11.4	11.4
0.0	12.5°	9.0	9.0	8.4	8.4	8.4	7.8	7.8	7.8	7.8	7.2
0.0	15°	5.4	4.8	4.2	4.2	4.2	3.6	3.6	3.6	3.6	3.0
0.0	17.5°	1.2	1.2	0.6	0.6	0.6	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
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: GALN-SA3A-950-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049433

CATALOG NUMBER: GALN-SA3A-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°	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
0.0	2.5°	25.1	25.1	25.7	25.7	26.3	27.5	28.1	28.7	29.9	31.1
0.0	5°	19.7	20.3	20.3	20.9	21.5	22.1	22.7	23.3	24.5	25.7
0.0	7.5°	15.6	15.6	16.2	16.2	16.7	17.9	18.5	19.1	20.3	22.1
0.0	10°	12.0	12.0	12.6	12.6	13.2	14.4	15.0	15.6	16.7	18.5
0.0	12.5°	7.8	8.4	8.4	9.0	9.6	10.8	11.4	12.0	13.2	14.4
0.0	15°	3.6	4.2	4.2	4.8	5.4	6.6	7.2	7.8	9.0	10.8
0.0	17.5°	0.6	0.6	1.2	1.2	1.8	2.4	3.0	3.6	5.4	6.6
0.0	20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.4
0.0	22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
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
	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

CATALOG NUMBER: GALN-SA3A-950-U-RBC

[illegible]

REPORT NUMBER: P1049433

CATALOG NUMBER: GALN-SA3A-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°	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
0.0	2.5°	32.9	34.1	35.3	36.5	37.7	38.9	39.5	40.7	41.3	41.9
0.0	5°	28.1	29.3	31.1	32.3	33.5	34.7	35.9	36.5	37.1	37.7
0.0	7.5°	24.5	25.7	27.5	28.7	29.9	31.1	32.3	33.5	34.1	34.7
0.0	10°	20.9	22.7	23.9	25.7	26.9	28.1	29.3	30.5	31.7	32.3
0.0	12.5°	16.7	18.5	20.3	21.5	23.3	25.1	26.3	27.5	28.7	29.9
0.0	15°	13.2	15.0	16.7	17.9	19.7	21.5	23.3	24.5	25.7	26.9
0.0	17.5°	9.6	11.4	13.2	14.4	16.2	17.9	19.1	20.9	22.1	23.3
0.0	20°	4.8	6.6	8.4	10.2	12.0	13.8	15.0	16.7	17.9	19.1
0.0	22.5°	0.6	2.4	4.2	5.4	7.2	9.0	10.2	12.0	13.2	14.4
0.0	25°	0.0	0.6	1.8	2.4	3.0	4.2	5.4	6.6	7.8	9.0
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	0.6	1.2	2.4	3.6	4.8
0.0	30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
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	0.6
	82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	1.2
	85°	0.0	0.0	0.0	0.0	0.0	1.2	1.8	3.0	3.6	4.2
	87.5°	0.0	0.6	1.2	1.8	2.4	3.6	4.8	6.0	6.6	7.2
	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: P1049433

CATALOG NUMBER: GALN-SA3A-950-U-RBC

CANDELA DISTRIBUTION (continued):

190°		165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°
34.7	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41.9	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38.3	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35.3	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33.5	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30.5	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28.1	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25.1	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20.3	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.6	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.8	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.0	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.8	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											
0.6											
2.4											
5.4											
7.8											
0.0											
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REPORT NUMBER: P1049433

CATALOG NUMBER: GALN-SA3A-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°	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
0.0	2.5°	42.5	42.5	42.5	42.5	41.9	41.9	41.9	41.3	41.3	40.7
0.0	5°	38.9	39.5	39.5	39.5	39.5	39.5	39.5	39.5	38.9	38.9
0.0	7.5°	35.9	36.5	37.1	37.1	37.7	37.7	37.7	37.1	37.1	36.5
0.0	10°	34.1	34.7	34.7	35.3	35.3	35.3	35.3	35.3	35.3	35.3
0.0	12.5°	31.7	32.3	32.9	32.9	33.5	33.5	33.5	33.5	32.9	32.9
0.0	15°	28.7	29.9	30.5	31.1	31.1	31.7	31.7	31.7	31.7	31.7
0.0	17.5°	26.3	27.5	28.1	28.7	28.7	29.3	29.3	29.9	29.9	29.9
0.0	20°	21.5	22.7	23.3	24.5	25.1	25.7	26.3	26.9	26.9	27.5
0.0	22.5°	16.7	17.9	18.5	19.7	20.3	20.9	21.5	22.1	22.7	23.3
0.0	25°	12.0	13.2	13.8	15.0	15.6	16.2	16.7	17.3	17.3	17.9
0.0	27.5°	6.6	7.8	9.0	9.6	10.8	11.4	12.0	12.6	13.2	13.8
0.0	30°	3.0	3.6	4.2	5.4	6.0	6.6	7.2	8.4	9.0	9.6
0.0	32.5°	0.0	0.0	0.6	1.8	2.4	3.0	3.6	4.2	4.2	4.8
0.0	35°	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	1.8	2.4
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°	1.2	1.2	1.2	1.8	1.8	1.8	1.8	1.8	1.8	1.8
	82.5°	3.0	3.6	4.2	4.2	4.8	4.8	4.8	4.8	4.2	4.2
	85°	6.0	6.6	7.2	7.2	7.8	7.8	7.8	7.8	7.8	7.8
	87.5°	8.4	9.0	9.6	9.6	10.2	10.2	10.2	10.2	10.2	10.2
	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: P1049433

CATALOG NUMBER: GALN-SA3A-950-U-RBC

CANDELA DISTRIBUTION (continued):

217.5°		192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°
34.7	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40.7	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38.9	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36.5	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35.3	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32.9	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31.7	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29.9	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26.9	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23.3	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18.5	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14.4	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.2	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.0	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.6	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.2	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.2	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.6	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.6	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.6	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.6	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.6	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											
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REPORT NUMBER: P1049433

CATALOG NUMBER: GALN-SA3A-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°	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
0.0	2.5°	40.1	40.1	39.5	39.5	39.5	39.5	39.5	40.1	40.7	40.7
0.0	5°	38.3	38.3	37.7	37.7	37.7	38.3	38.3	38.9	39.5	40.1
0.0	7.5°	36.5	35.9	35.9	36.5	36.5	37.1	37.1	37.7	38.3	38.9
0.0	10°	35.3	34.7	34.7	34.7	35.3	35.3	35.9	36.5	37.1	37.7
0.0	12.5°	32.9	32.9	32.9	32.9	33.5	33.5	34.1	34.7	35.9	36.5
0.0	15°	31.7	31.1	31.1	31.1	31.1	31.7	31.7	32.9	34.1	34.7
0.0	17.5°	29.3	29.3	28.7	28.7	29.3	29.3	29.9	31.1	32.3	32.9
0.0	20°	26.9	26.3	25.7	25.7	26.3	26.3	26.9	28.1	29.3	29.9
0.0	22.5°	23.3	22.7	22.7	22.7	22.7	23.3	23.3	24.5	26.3	27.5
0.0	25°	18.5	19.1	19.1	19.7	19.7	20.3	20.9	22.1	23.9	25.1
0.0	27.5°	14.4	15.0	15.0	16.2	16.7	17.3	17.9	19.7	21.5	22.7
0.0	30°	10.8	11.4	12.0	12.6	13.8	15.0	16.2	17.9	19.7	20.9
0.0	32.5°	6.6	7.8	8.4	9.6	10.8	12.0	13.2	15.0	17.3	19.1
0.0	35°	4.8	5.4	6.6	7.2	8.4	9.6	10.8	13.2	15.0	17.3
0.0	37.5°	2.4	3.6	4.8	6.0	7.2	8.4	9.6	12.0	14.4	16.2
0.0	40°	1.8	3.0	3.6	4.8	6.6	7.8	9.0	11.4	13.8	16.2
0.0	42.5°	1.2	1.8	2.4	4.2	5.4	7.2	9.0	11.4	13.8	16.2
0.0	45°	1.2	1.2	1.8	3.6	5.4	7.8	9.6	12.0	13.8	16.2
0.0	47.5°	1.2	1.8	2.4	4.8	6.0	7.8	9.6	11.4	13.8	15.6
0.0	50°	1.8	2.4	3.0	5.4	6.6	8.4	9.6	12.0	13.8	16.2
0.0	52.5°	1.2	1.8	2.4	4.8	6.6	9.0	10.8	13.2	15.6	17.3
0.0	55°	0.6	0.6	0.6	3.6	7.2	10.2	13.8	15.6	17.9	19.7
0.0	57.5°	0.0	0.0	0.0	2.4	7.2	11.4	15.6	17.9	20.3	22.1
0.0	60°	0.0	0.0	0.0	2.4	7.2	11.4	15.6	18.5	21.5	24.5
0.0	62.5°	0.0	0.0	0.0	2.4	6.0	9.6	13.2	17.9	23.3	28.1
0.0	65°	0.0	0.0	0.0	1.8	4.8	7.8	10.8	17.9	25.1	31.7
0.0	67.5°	0.0	0.0	0.0	1.8	4.8	7.2	10.2	17.9	25.1	32.9
	70°	0.0	0.0	0.0	1.8	4.8	7.8	10.8	17.9	25.1	32.3
	72.5°	0.0	0.0	0.0	1.8	5.4	8.4	12.0	17.9	23.9	29.9
	75°	0.0	0.0	0.0	2.4	5.4	9.0	12.6	17.9	23.3	28.1
	77.5°	0.0	0.0	0.0	1.8	5.4	8.4	12.0	17.3	22.7	27.5
	80°	1.8	1.2	1.2	3.0	5.4	7.8	10.2	15.6	21.5	26.9
	82.5°	3.6	3.6	3.0	4.2	5.4	7.2	9.0	13.8	19.1	23.9
	85°	7.2	7.2	6.6	7.2	7.2	7.8	8.4	10.8	13.2	15.6
	87.5°	9.6	9.6	9.0	9.0	9.0	8.4	8.4	8.4	8.4	7.8
	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: P1049433

CATALOG NUMBER: GALN-SA3A-950-U-RBC

CANDELA DISTRIBUTION (continued):

245°		220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°
34.7	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41.3	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40.7	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39.5	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38.3	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.1	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35.9	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34.1	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31.1	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28.7	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26.3	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24.5	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22.7	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20.9	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19.1	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18.5	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18.5	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18.5	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.9	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.3	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.9	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19.7	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21.5	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24.5	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27.5	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32.9	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38.9	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40.1	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39.5											
35.9											
33.5											
32.9											
32.3											
28.7											
17.9											
7.8											
0.0											
0.0											
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REPORT NUMBER: P1049433

CATALOG NUMBER: GALN-SA3A-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°	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
0.0	2.5°	41.9	42.5	42.5	43.1	43.7	44.3	44.3	44.9	44.9	44.9
0.0	5°	41.3	42.5	43.1	43.7	44.3	44.9	45.5	46.1	46.7	46.7
0.0	7.5°	40.7	41.3	42.5	43.1	44.3	44.9	46.1	46.7	47.3	47.9
0.0	10°	39.5	40.7	41.9	43.1	44.3	45.5	46.7	47.9	49.1	49.6
0.0	12.5°	38.3	40.1	41.3	42.5	44.3	46.1	47.3	49.1	50.2	51.4
0.0	15°	37.7	38.9	40.7	41.9	44.3	46.7	48.5	50.8	53.2	55.0
0.0	17.5°	35.9	38.3	40.1	41.9	44.3	47.3	49.6	52.0	55.6	59.2
0.0	20°	33.5	35.3	37.7	39.5	43.1	46.1	49.6	52.6	58.0	63.4
0.0	22.5°	31.1	33.5	35.3	37.7	41.9	45.5	49.6	53.2	62.2	70.6
0.0	25°	28.7	31.7	34.1	36.5	41.3	46.1	50.8	55.6	70.6	85.5
0.0	27.5°	27.5	29.9	32.9	35.3	41.3	47.9	53.8	59.8	83.7	107.1
0.0	30°	25.7	28.7	31.1	34.1	41.9	49.6	57.4	65.2	101.7	138.2
0.0	32.5°	23.9	26.9	29.9	32.9	43.1	53.2	62.8	73.0	120.8	168.1
0.0	35°	22.1	25.7	28.7	31.7	44.9	58.6	71.8	84.9	138.2	190.8
0.0	37.5°	21.5	25.1	28.1	31.1	45.5	59.2	73.6	87.3	140.0	192.6
0.0	40°	22.1	25.1	28.7	31.7	43.7	55.6	67.0	79.0	134.0	188.4
0.0	42.5°	22.1	25.7	29.3	32.9	42.5	52.0	61.6	71.2	132.2	193.2
0.0	45°	21.5	25.1	28.7	32.3	41.3	49.6	58.6	67.0	143.0	218.3
0.0	47.5°	20.9	24.5	28.1	31.7	40.7	49.6	58.6	67.6	184.8	301.5
0.0	50°	20.9	24.5	27.5	30.5	41.3	52.6	63.4	74.2	269.2	463.6
0.0	52.5°	22.1	25.1	27.5	29.9	42.5	55.6	68.2	80.8	342.2	603.0
0.0	55°	23.9	25.7	28.1	29.9	45.5	60.4	76.0	90.9	364.3	637.7
0.0	57.5°	26.3	28.1	29.9	31.7	50.8	70.0	88.5	107.7	366.1	623.9
0.0	60°	29.3	31.7	33.5	35.3	55.6	76.6	96.9	117.2	331.4	544.9
0.0	62.5°	35.9	38.9	41.3	44.3	64.0	83.1	102.9	122.0	275.2	428.3
0.0	65°	41.3	43.7	46.1	48.5	67.6	87.3	106.5	125.6	233.3	341.0
0.0	67.5°	42.5	44.9	46.7	49.1	68.8	88.5	107.7	127.4	199.8	271.6
	70°	43.1	46.1	49.6	52.6	73.0	93.3	113.1	133.4	177.1	220.7
	72.5°	41.3	47.3	52.6	58.0	77.2	95.7	114.9	133.4	164.5	195.6
	75°	41.3	49.6	57.4	65.2	79.6	93.3	107.7	121.4	145.4	169.3
	77.5°	43.7	54.4	65.2	76.0	84.3	92.1	100.5	108.3	123.8	139.4
	80°	43.7	55.0	65.8	77.2	80.8	84.9	88.5	92.1	93.9	95.7
	82.5°	37.7	46.7	55.6	64.6	60.4	56.2	52.0	47.9	44.9	41.3
	85°	19.1	20.9	22.1	23.3	21.5	19.7	17.9	16.2	15.0	13.2
	87.5°	7.8	7.8	7.2	7.2	7.2	7.2	6.6	6.6	6.6	6.6
	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: P1049433

CATALOG NUMBER: GALN-SA3A-950-U-RBC

CANDELA DISTRIBUTION (continued):

272.5°		247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°
34.7	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44.9	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
46.7	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48.5	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50.8	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
53.2	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58.0	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
64.0	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
73.6	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
93.9	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.4	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.1	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
239.9	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
299.7	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
340.4	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
370.9	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
401.4	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
461.2	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
580.8	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
885.3	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1356.1	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1707.2	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1746.1	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1575.6	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1347.1	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1052.8	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
795.6	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
587.4	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
415.7											
309.3											
224.9											
169.3											
95.1											
43.1											
12.6											
6.0											
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REPORT NUMBER: P1049433

CATALOG NUMBER: GALN-SA3A-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°	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
0.0	2.5°	44.9	44.3	44.3	43.7	43.1	42.5	41.9	41.3	40.7	40.1
0.0	5°	46.7	46.7	46.7	46.1	46.1	45.5	45.5	44.9	44.3	43.7
0.0	7.5°	48.5	49.1	49.1	49.6	49.6	49.6	49.6	49.1	49.1	49.1
0.0	10°	51.4	52.0	52.6	53.2	53.8	54.4	54.4	55.0	55.0	55.0
0.0	12.5°	55.0	56.8	58.0	59.8	61.0	62.8	64.0	65.8	67.0	68.2
0.0	15°	60.4	63.4	67.0	70.0	73.0	77.2	82.0	86.1	90.3	96.9
0.0	17.5°	68.2	77.8	87.3	96.3	105.9	126.8	147.8	168.1	189.0	219.5
0.0	20°	83.1	111.9	140.0	168.7	196.8	270.4	343.4	416.9	489.9	568.3
0.0	22.5°	116.6	187.2	257.8	328.4	399.0	552.7	705.9	859.6	1012.7	1192.8
0.0	25°	169.3	299.1	428.9	558.1	687.9	928.4	1169.4	1409.9	1650.4	1884.3
0.0	27.5°	246.4	445.0	643.6	841.6	1040.2	1366.2	1692.8	2018.9	2344.9	2609.3
0.0	30°	341.6	610.7	879.9	1149.1	1418.3	1789.2	2160.0	2530.3	2901.2	3190.1
0.0	32.5°	431.3	760.9	1090.5	1419.5	1749.1	2171.4	2594.3	3016.6	3438.9	3754.8
0.0	35°	489.9	888.3	1287.3	1685.7	2084.1	2541.1	2998.1	3454.5	3911.5	4272.2
0.0	37.5°	548.5	1008.5	1467.9	1927.9	2387.3	2889.2	3391.1	3893.0	4394.8	4840.5
0.0	40°	614.3	1153.9	1692.8	2232.4	2771.4	3366.0	3959.9	4554.5	5148.5	5777.2
0.0	42.5°	728.6	1395.0	2061.9	2728.3	3394.7	4181.3	4967.9	5753.9	6540.5	7437.8
0.0	45°	943.3	1882.5	2822.2	3761.4	4700.5	5742.5	6785.1	7827.2	8869.2	10063.2
0.0	47.5°	1469.1	2761.2	4052.7	5344.7	6636.2	7761.4	8886.0	10011.1	11135.7	12324.9
0.0	50°	2248.0	3751.8	5255.6	6758.8	8262.7	9280.8	10298.3	11316.4	12333.9	13465.0
0.0	52.5°	2811.4	4378.1	5945.3	7511.9	9078.6	9997.4	10916.8	11835.6	12754.4	13811.4
0.0	55°	2853.9	4411.6	5969.8	7527.5	9085.1	10008.1	10931.1	11854.1	12777.1	13897.5
0.0	57.5°	2526.7	4071.8	5616.3	7161.4	8705.9	9756.9	10807.3	11858.3	12908.7	14120.0
0.0	60°	2149.3	3695.0	5240.1	6785.7	8330.8	9541.6	10752.9	11963.6	13174.3	14309.0
0.0	62.5°	1676.7	3266.7	4857.2	6447.2	8037.1	9266.4	10495.7	11724.3	12953.6	13804.8
0.0	65°	1249.6	2793.5	4337.4	5880.7	7424.6	8409.2	9393.8	10377.8	11362.4	11889.4
0.0	67.5°	903.3	2234.8	3565.7	4897.3	6228.2	6932.9	7637.6	8341.6	9046.3	9449.4
	70°	610.7	1533.1	2454.9	3377.3	4299.1	4878.2	5457.8	6036.8	6615.9	7160.2
	72.5°	422.9	940.9	1459.6	1977.6	2495.6	3078.2	3660.3	4242.9	4824.9	5401.0
	75°	280.5	516.2	752.5	988.2	1223.9	1655.2	2087.0	2518.3	2949.6	3293.0
	77.5°	199.2	269.8	341.0	411.5	482.1	562.9	644.2	725.0	805.7	928.4
	80°	94.5	103.5	112.5	120.8	129.8	159.1	188.4	217.7	247.0	278.2
	82.5°	44.9	48.5	52.0	55.0	58.6	61.6	64.6	67.6	70.6	67.6
	85°	12.0	12.0	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.0
	87.5°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	4.8	4.8	4.2
	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: P1049433

CATALOG NUMBER: GALN-SA3A-950-U-RBC

CANDELA DISTRIBUTION (continued):

300°		275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°
34.7	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39.5	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43.1	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48.5	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55.6	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
68.8	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
104.1	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
249.4	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
647.2	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1372.8	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2118.2	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2873.7	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3479.6	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4071.2	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4632.9	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5286.7	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6405.9	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8335.0	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11257.1	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13514.1	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14596.2	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14868.3	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15018.5	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15331.3	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15443.2	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14656.6	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12417.0	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9853.2	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7704.0											
5977.0											
3636.3											
1051.0											
309.3											
64.0											
11.4											
4.2											
0.0											
0.0											
0.0											
0.0											
0.0											
0.0											
0.0											
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0.0											

REPORT NUMBER: P1049433

CATALOG NUMBER: GALN-SA3A-950-U-RBC

CANDELA DISTRIBUTION (continued):

300°		302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°
0.0	0°	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
0.0	2.5°	38.9	38.3	37.7	37.1	36.5	35.3	35.3	34.7	34.7
0.0	5°	42.5	41.9	41.3	40.7	40.7	40.1	39.5	39.5	38.9
0.0	7.5°	48.5	47.9	47.3	46.7	46.7	46.1	46.1	45.5	45.5
0.0	10°	55.6	55.6	55.6	55.6	55.6	55.0	55.0	55.0	54.4
0.0	12.5°	70.0	70.6	71.8	73.0	74.8	74.8	74.8	74.2	74.2
0.0	15°	110.7	117.2	122.0	126.8	131.0	140.6	139.4	137.6	136.4
0.0	17.5°	279.9	309.9	326.0	341.6	357.7	402.0	394.8	387.6	381.0
0.0	20°	725.6	804.0	856.0	908.0	960.7	1043.8	1023.5	1003.1	982.8
0.0	22.5°	1552.3	1732.3	1810.7	1889.1	1966.8	2067.3	2002.1	1936.9	1872.3
0.0	25°	2351.4	2585.3	2717.5	2849.7	2981.3	3038.8	2953.8	2868.3	2783.3
0.0	27.5°	3138.0	3402.4	3519.1	3635.1	3751.8	3872.0	3766.7	3660.9	3555.6
0.0	30°	3768.5	4057.5	4183.7	4309.3	4435.5	4519.2	4410.4	4300.9	4192.0
0.0	32.5°	4387.0	4702.9	4841.1	4979.2	5116.8	5237.1	5103.1	4968.5	4834.5
0.0	35°	4993.0	5353.7	5543.9	5734.1	5924.4	6036.2	5877.1	5717.4	5558.3
0.0	37.5°	5732.4	6178.0	6390.9	6603.9	6816.9	7020.8	6845.6	6669.7	6494.4
0.0	40°	7034.6	7663.3	7989.9	8317.1	8643.7	8906.9	8685.6	8464.2	8242.9
0.0	42.5°	9232.3	10129.6	10599.1	11068.1	11537.7	11948.6	11715.9	11483.2	11250.6
0.0	45°	12451.1	13645.1	14217.5	14789.4	15361.8	15662.1	15327.1	14991.6	14656.6
0.0	47.5°	14702.6	15891.8	16401.5	16911.1	17420.8	17763.5	17353.8	16944.0	16534.9
0.0	50°	15726.7	16857.9	17369.3	17880.2	18391.6	18663.8	18190.6	17716.9	17243.7
0.0	52.5°	15924.7	16981.7	17591.9	18202.6	18812.7	19176.4	18617.7	18058.4	17499.7
0.0	55°	16138.9	17259.3	17966.9	18675.2	19382.8	19886.5	19254.8	18622.5	17990.8
0.0	57.5°	16542.1	17753.4	18459.2	19164.5	19870.3	20298.0	19664.5	19030.5	18397.0
0.0	60°	16577.9	17712.1	18318.6	18925.8	19532.3	19801.5	19195.6	18589.0	17983.1
0.0	62.5°	15507.8	16359.0	16780.1	17201.2	17622.4	17914.9	17282.6	16649.7	16017.4
0.0	65°	12944.0	13471.0	13806.6	14142.2	14477.7	14826.5	14247.4	13668.4	13089.4
0.0	67.5°	10256.4	10659.6	11101.6	11543.7	11985.7	12358.4	11894.8	11430.6	10967.0
	70°	8248.3	8792.0	9289.1	9786.2	10283.3	10588.4	10123.0	9657.0	9191.6
	72.5°	6553.1	7129.1	7544.2	7958.8	8373.9	8448.7	8106.5	7764.4	7422.8
	75°	3979.1	4322.4	4330.8	4338.6	4347.0	4418.2	4134.6	3851.1	3568.1
	77.5°	1173.6	1296.3	1397.3	1497.8	1598.9	1721.0	1616.9	1512.2	1408.1
	80°	339.8	370.9	397.2	422.9	449.2	433.7	409.2	384.6	360.1
	82.5°	61.0	57.4	56.8	56.2	56.2	53.2	48.5	43.7	38.9
	85°	10.8	10.2	9.6	9.0	8.4	7.8	6.6	6.0	4.8
	87.5°	3.6	3.0	2.4	1.8	1.8	0.6	0.6	0.6	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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CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049433

CATALOG NUMBER: GALN-SA3A-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°	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
0.0	0.0	2.5°	34.1	33.5	33.5	33.5	33.5	32.9	32.9	32.9	32.9
0.0	0.0	5°	37.7	37.7	37.1	37.1	36.5	36.5	35.9	35.9	35.3
0.0	0.0	7.5°	44.3	43.7	43.1	42.5	41.9	40.7	40.1	39.5	39.5
0.0	0.0	10°	53.2	52.0	51.4	50.2	49.6	48.5	47.3	46.1	44.9
0.0	0.0	12.5°	70.0	67.6	65.8	63.4	61.0	59.2	56.8	55.0	52.6
0.0	0.0	15°	121.4	115.4	108.9	101.1	92.7	84.9	76.6	71.8	66.4
0.0	0.0	17.5°	310.5	279.3	247.6	221.9	196.2	171.1	145.4	126.8	108.3
0.0	0.0	20°	790.2	704.1	617.9	533.0	447.4	362.5	277.0	233.9	190.8
0.0	0.0	22.5°	1487.1	1327.4	1167.0	1012.1	856.6	701.7	546.7	449.2	352.3
0.0	0.0	25°	2295.2	2094.2	1893.2	1638.4	1383.0	1128.2	873.3	714.8	556.3
0.0	0.0	27.5°	2986.7	2755.2	2523.7	2213.9	1904.0	1594.1	1284.3	1048.0	812.3
0.0	0.0	30°	3585.5	3336.6	3087.8	2727.1	2366.4	2005.7	1645.0	1349.5	1054.0
0.0	0.0	32.5°	4104.7	3806.8	3508.9	3136.9	2764.8	2392.7	2020.6	1658.2	1295.7
0.0	0.0	35°	4703.5	4355.9	4007.8	3595.1	3181.7	2769.0	2356.2	1947.1	1537.3
0.0	0.0	37.5°	5464.4	5037.9	4610.8	4150.8	3690.8	3231.4	2771.4	2303.6	1835.8
0.0	0.0	40°	6920.9	6370.6	5820.3	5235.9	4650.8	4066.4	3482.0	2907.7	2333.5
0.0	0.0	42.5°	9530.8	8787.3	8043.7	7266.1	6487.9	5710.2	4932.0	4122.1	3311.5
0.0	0.0	45°	12476.2	11553.8	10630.8	9758.1	8884.8	8012.0	7139.3	6027.9	4916.4
0.0	0.0	47.5°	14132.6	13136.6	12140.6	11314.6	10488.5	9662.4	8836.3	7638.2	6440.0
0.0	0.0	50°	14742.1	13728.2	12714.3	11954.0	11193.1	10432.8	9672.0	8472.0	7271.5
0.0	0.0	52.5°	14871.9	13837.7	12803.4	12038.4	11273.3	10508.8	9743.7	8551.6	7359.4
0.0	0.0	55°	15138.7	14029.1	12918.9	12046.7	11174.6	10302.4	9430.3	8219.0	7007.7
0.0	0.0	57.5°	15487.5	14349.7	13212.0	12218.4	11224.8	10231.9	9238.3	7913.9	6589.5
0.0	0.0	60°	15395.9	14406.0	13415.4	12351.2	11286.4	10222.3	9157.5	7701.0	6243.8
0.0	0.0	62.5°	13807.2	13018.8	12229.8	11354.6	10478.9	9603.8	8728.6	7229.0	5729.4
0.0	0.0	65°	11358.8	10783.4	10207.9	9503.9	8799.2	8095.2	7391.1	6046.4	4702.3
0.0	0.0	67.5°	9206.0	8557.6	7908.5	7347.4	6785.7	6224.7	5663.0	4604.8	3546.6
		70°	7313.9	6608.7	5902.8	5354.9	4806.4	4258.4	3710.5	3007.0	2304.2
		72.5°	5808.3	5172.5	4536.6	3952.2	3367.2	2782.7	2197.7	1782.0	1366.2
		75°	2776.2	2521.9	2267.7	1962.0	1656.4	1350.7	1045.0	863.8	683.1
		77.5°	1028.9	891.9	754.3	629.9	505.5	381.6	257.2	235.7	214.1
		80°	266.2	232.1	197.4	172.9	147.8	123.2	98.7	89.1	80.2
		82.5°	30.5	28.1	26.3	25.1	23.3	22.1	20.3	18.5	16.7
		85°	1.8	1.2	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



REPORT NUMBER: P1049433

CATALOG NUMBER: GALN-SA3A-950-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049433

CATALOG NUMBER: GALN-SA3A-950-U-RBC

CANDELA DISTRIBUTION (continued):

352.5°	355°		357.5°	360°
0.0	0.0	0°	34.7	34.7
0.0	0.0	2.5°	32.3	31.7
0.0	0.0	5°	34.1	33.5
0.0	0.0	7.5°	37.7	36.5
0.0	0.0	10°	41.3	40.1
0.0	0.0	12.5°	46.7	44.9
0.0	0.0	15°	52.6	49.1
0.0	0.0	17.5°	62.8	55.0
0.0	0.0	20°	84.9	65.2
0.0	0.0	22.5°	119.6	81.4
0.0	0.0	25°	175.9	112.5
0.0	0.0	27.5°	244.7	149.5
0.0	0.0	30°	325.4	187.2
0.0	0.0	32.5°	396.6	223.1
0.0	0.0	35°	489.3	259.6
0.0	0.0	37.5°	603.6	306.3
0.0	0.0	40°	780.6	376.9
0.0	0.0	42.5°	1099.5	507.3
0.0	0.0	45°	1785.6	876.9
0.0	0.0	47.5°	2747.4	1450.6
0.0	0.0	50°	3361.2	1851.4
0.0	0.0	52.5°	3411.4	1848.4
0.0	0.0	55°	3114.1	1643.2
0.0	0.0	57.5°	2657.1	1373.4
0.0	0.0	60°	2208.5	1086.3
0.0	0.0	62.5°	1740.1	750.1
0.0	0.0	65°	1271.7	530.6
0.0	0.0	67.5°	913.4	396.6
		70°	600.6	303.9
		72.5°	391.2	247.6
		75°	263.2	205.2
		77.5°	153.7	136.4
		80°	54.4	47.9
		82.5°	10.2	7.2
		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: P1049433

CATALOG NUMBER: GALN-SA3A-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

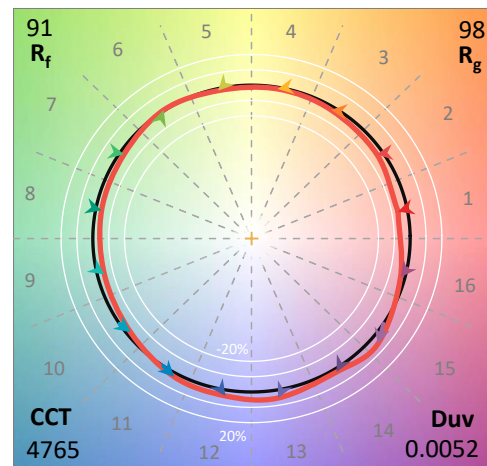
Test Information

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
 Rf: 90.7
 Rg: 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

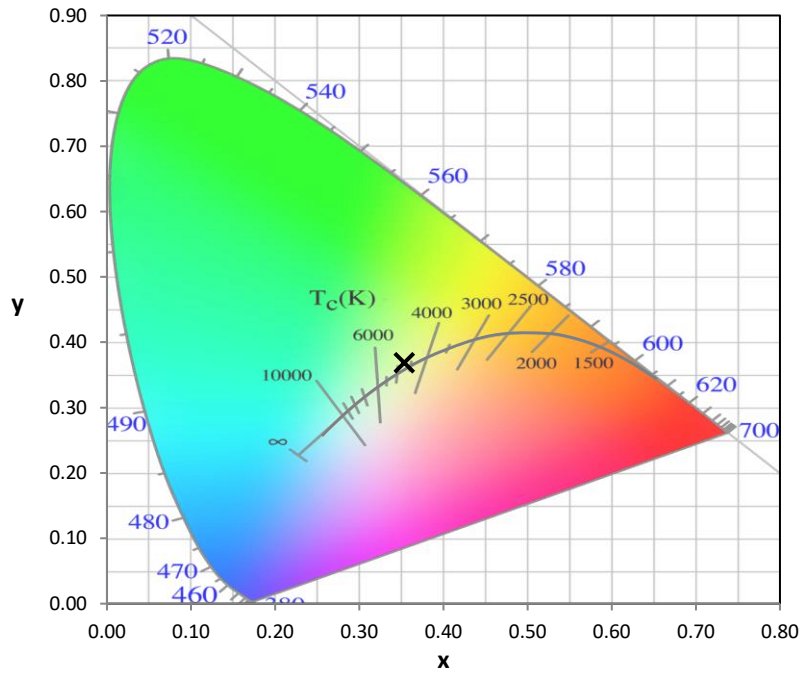
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-17

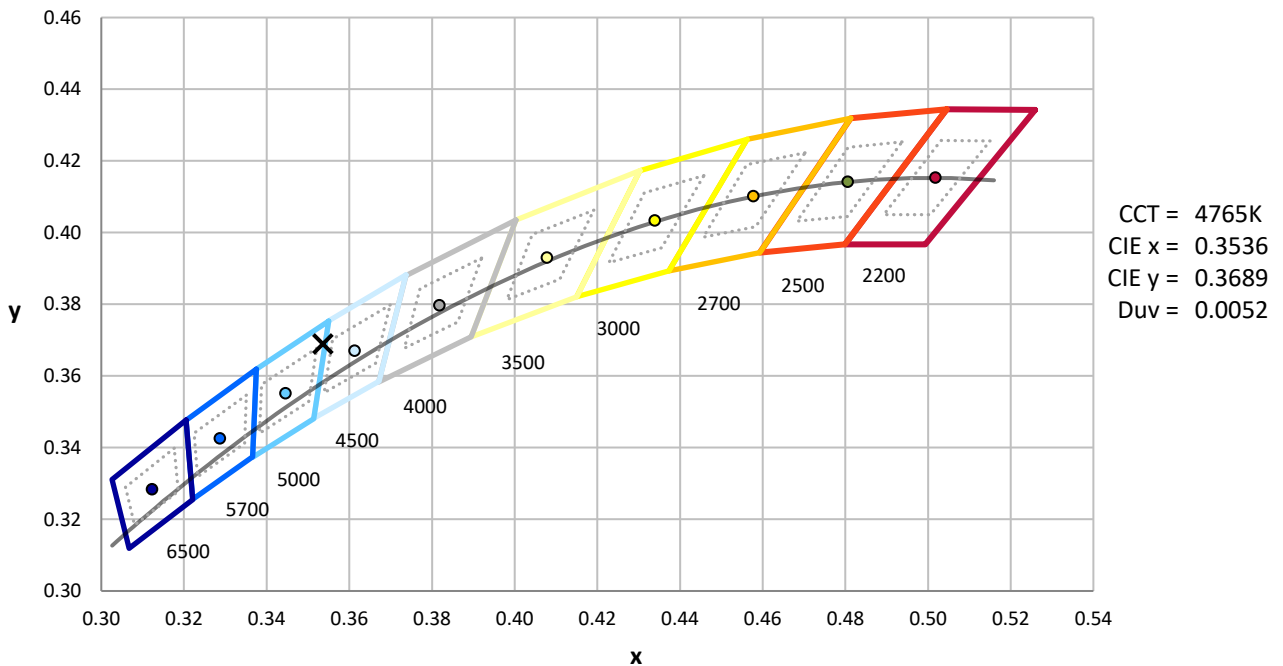
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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



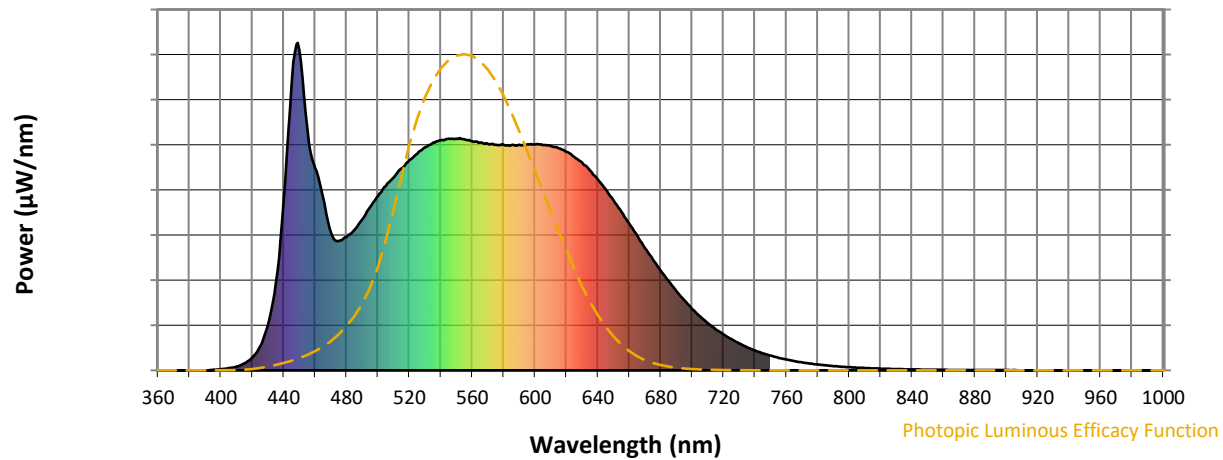
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 5000K 7-step quadrangle

REPORT NUMBER: SP1-2407-184-17

Photopic Flux vs. Wavelength

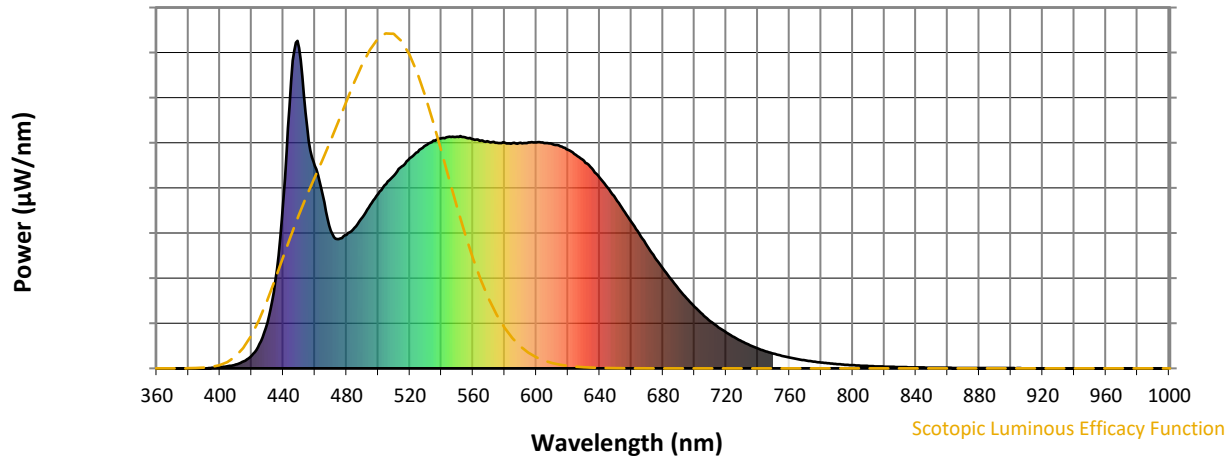


Photopic Lumens: NR

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



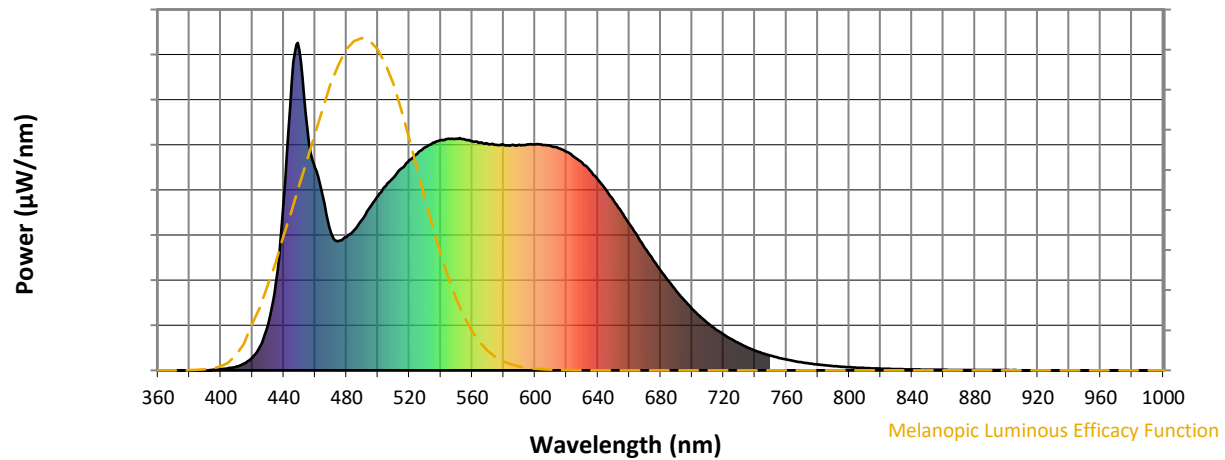
Scotopic Lumens: NR

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

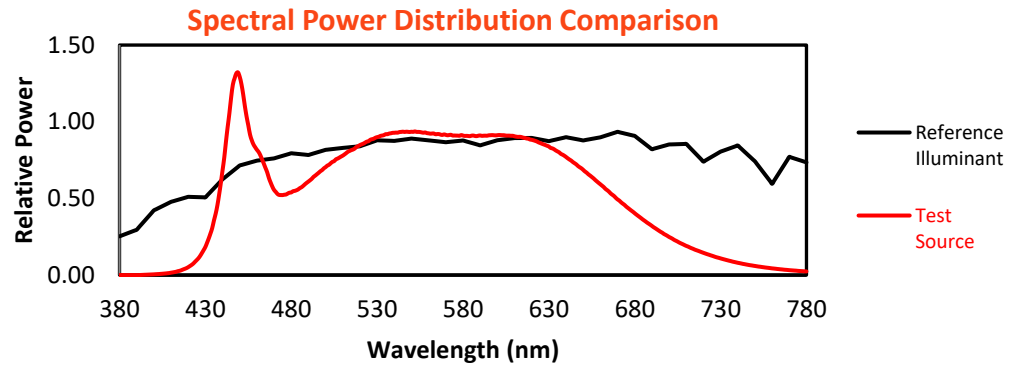
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	462	NR	620	668	NR	750	45	NR	880	1	NR
365	0	NR	495	498	NR	625	652	NR	755	39	NR	885	1	NR
370	0	NR	500	533	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

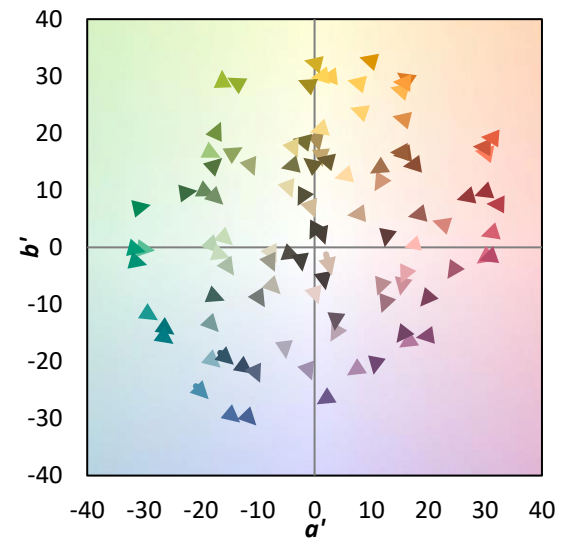
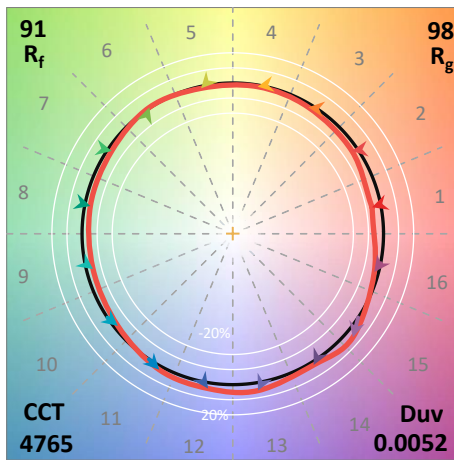
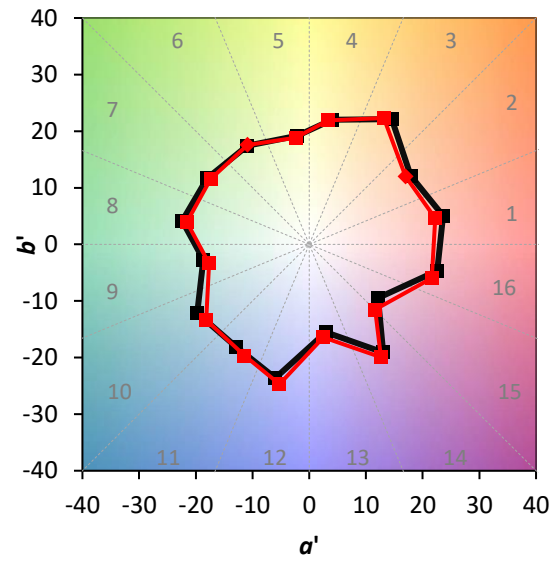
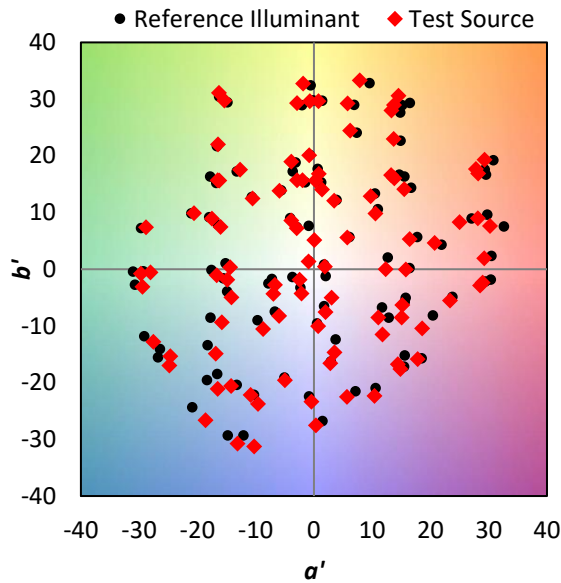
TM-30-18

Summary

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

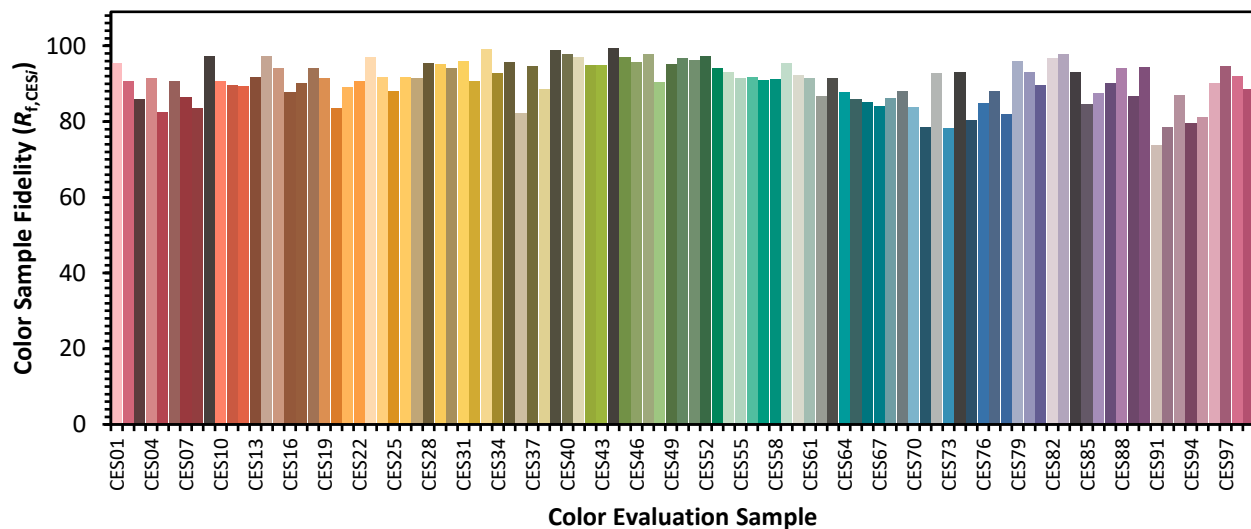


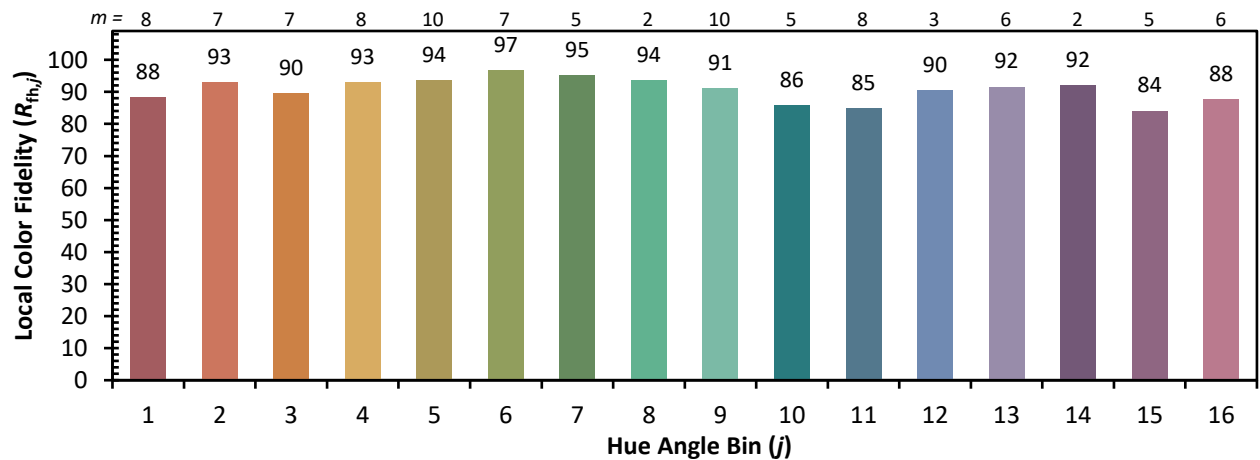
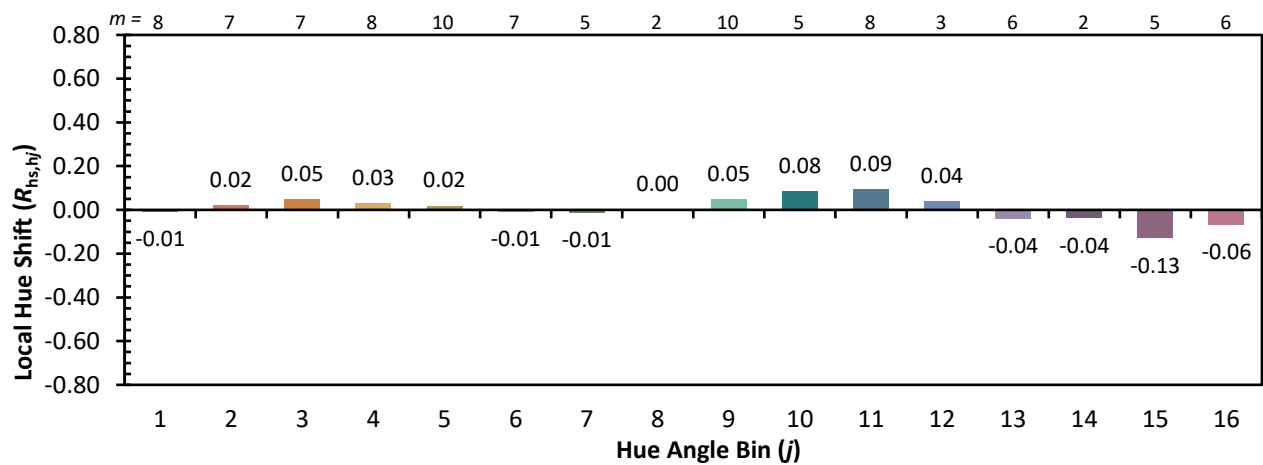
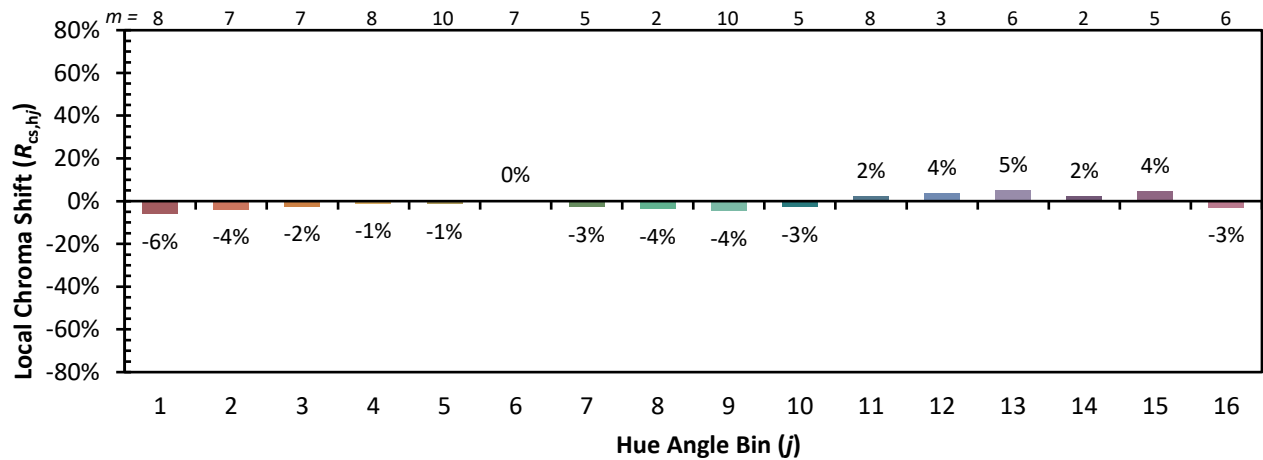
Color Vector Graphics



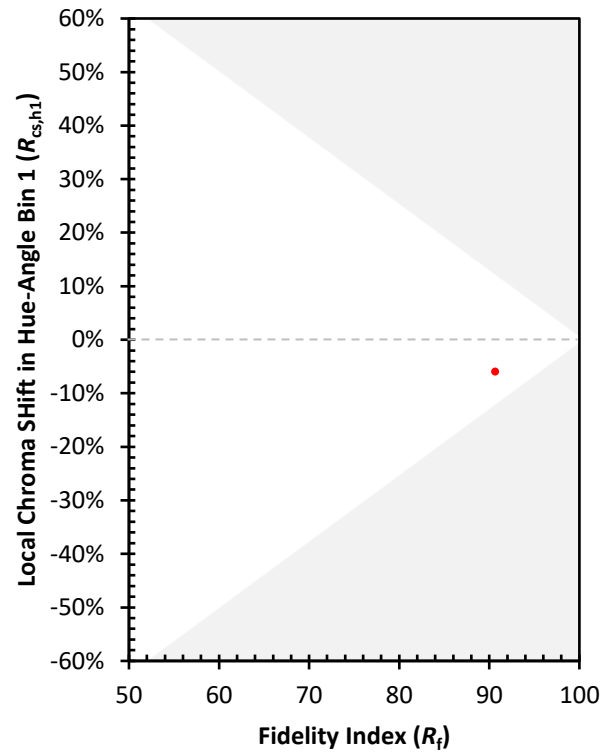
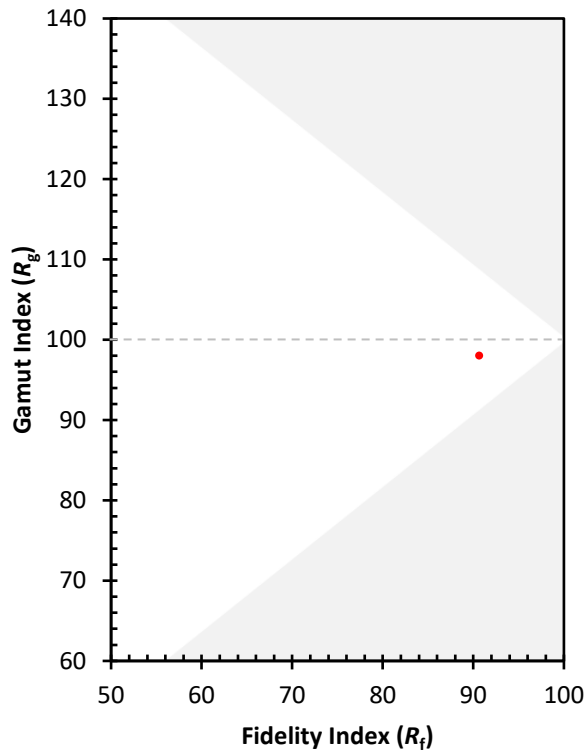
Individual Sample Fidelity Index ($R_{f,i}$)

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)