

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: P1049137

Luminaire Tested: **GALN-SA1A-830-U-RBC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1049137
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA1A-830-U-RBC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 615mA 1xLight Square PACKAGE
80CRI 3000K FIXTURE w/ RIGHT CORNER BACKLIGHT CONTROL
Light Source: (14) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2990.2 lumens
Efficiency: N/A
Efficacy: 103.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G1

Input Watts (W): 29
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

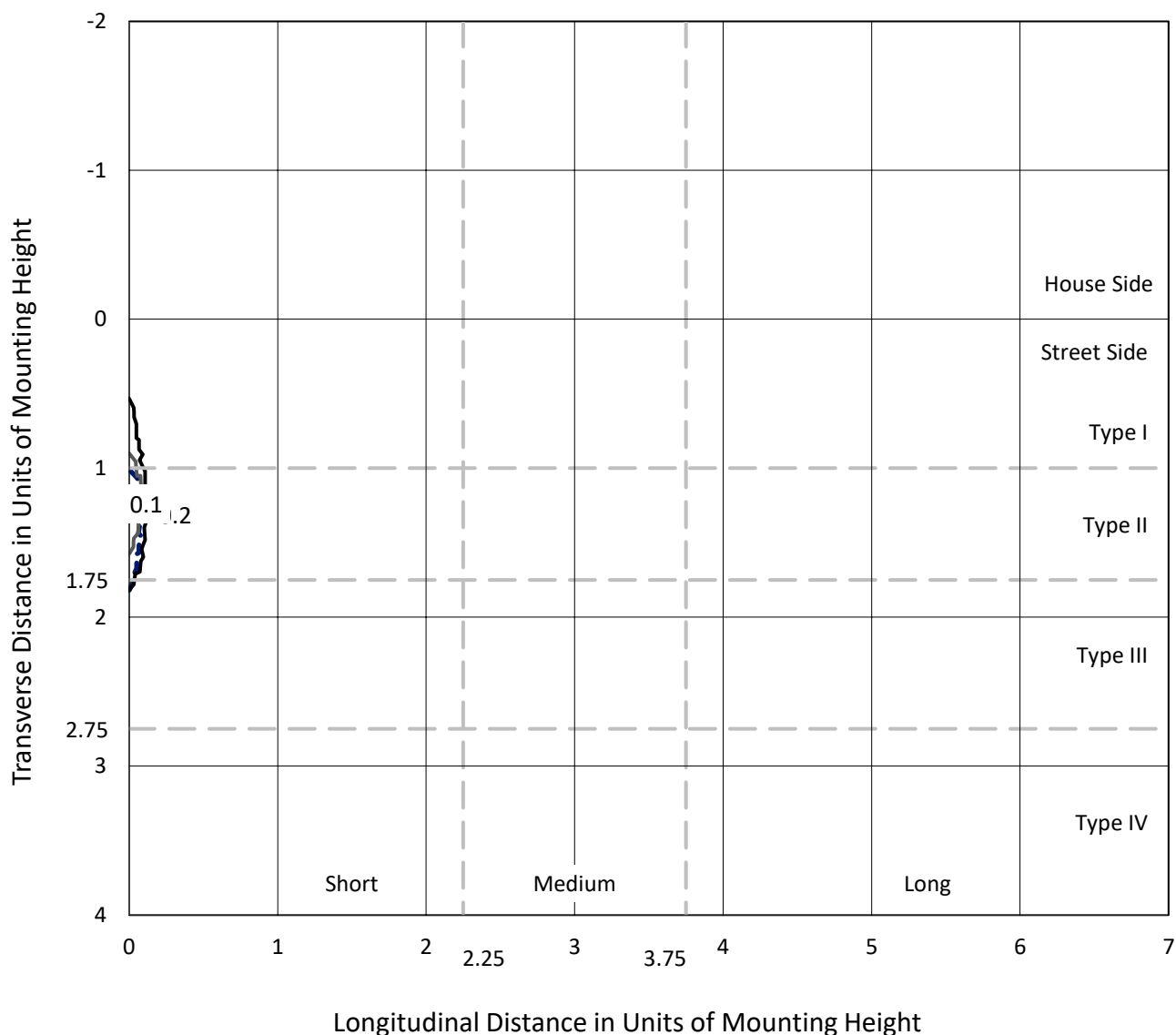
REPORT NUMBER: P1049137

CATALOG NUMBER: GALN-SA1A-830-U-RBC

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

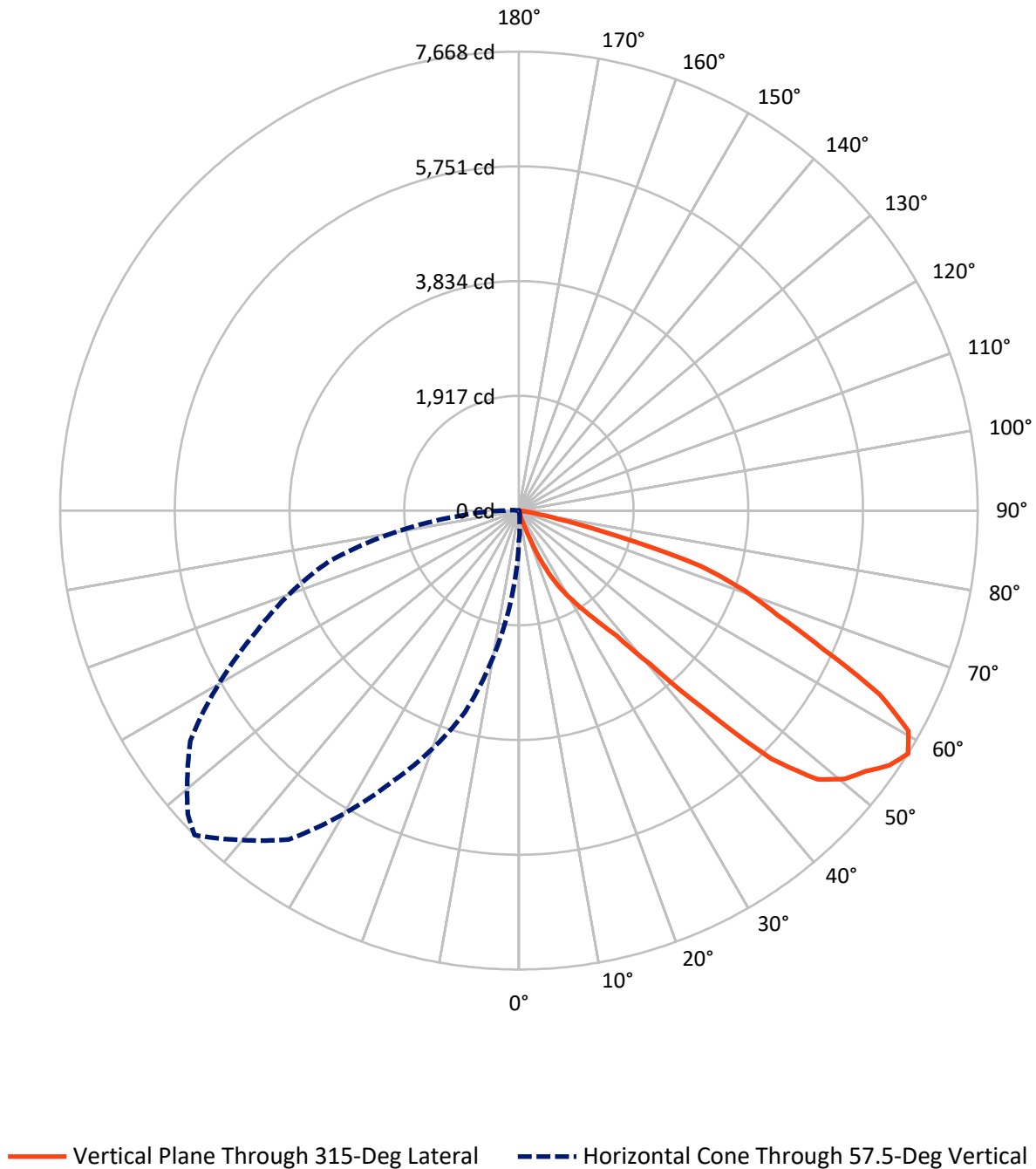


Based on 20 foot mounting height. Maximum calculated value = 0.4 fc

Type III - Short - N/A

REPORT NUMBER: P1049137
CATALOG NUMBER: GALN-SA1A-830-U-RBC

Luminous Intensity Polar Plot



REPORT NUMBER: P1049137

CATALOG NUMBER: GALN-SA1A-830-U-RBC

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15.0	0.0	15.0
	% Fixture	0.5	0.0	0.5
Street Side	Lumens	2975.2	0.0	2975.2
	% Fixture	99.5	0.0	99.5
Total	Lumens	2990.2	0.0	2990.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.2	0.0
10°-20°	6.6	0.2
20°-30°	70.9	2.4
30°-40°	209.6	7.0
40°-50°	624.5	20.9
50°-60°	990.3	33.1
60°-70°	826.6	27.6
70°-80°	254.9	8.5
80°-90°	5.7	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°	2990.2	100.0
0°-180°	2990.2	100.0



REPORT NUMBER: P1049137

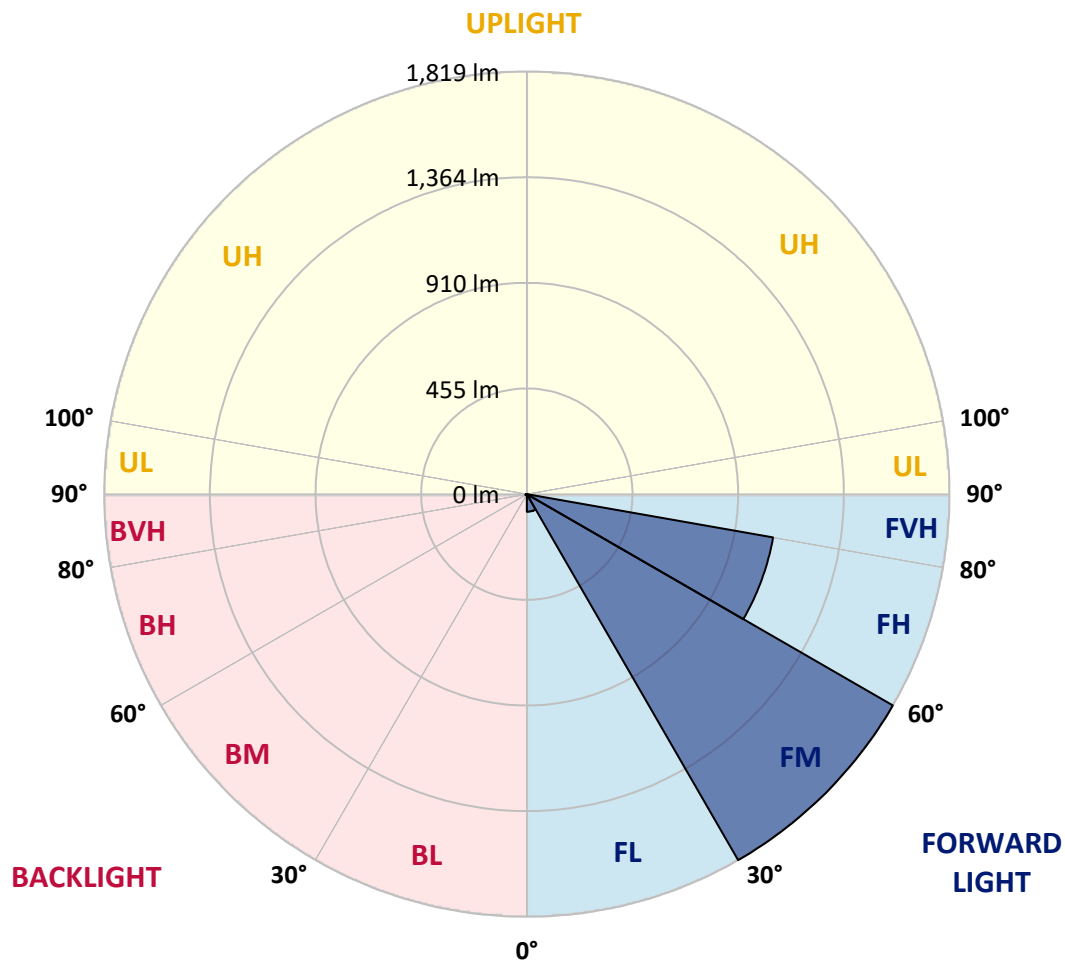
CATALOG NUMBER: GALN-SA1A-830-U-RBC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	75.9	2.5			
FM	(30°-60°)	1819.0	60.8			
FH	(60°-80°)	1076.0	36.0			G1/1800
FVH	(80°-90°)	4.4	0.1			G0/10
BL	(0°-30°)	2.8	0.1	B0/110		
BM	(30°-60°)	5.4	0.2	B0/220		
BH	(60°-80°)	5.6	0.2	B0/110		G0/110
BVH	(80°-90°)	1.3	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-G1

Type III Short



REPORT NUMBER: P1049137

CATALOG NUMBER: GALN-SA1A-830-U-RBC

CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°
0°	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1
2.5°	12.0	12.0	12.0	12.0	11.8	11.8	11.5	11.5	11.3	11.3
5°	12.7	12.7	12.4	12.2	12.2	12.0	11.8	11.5	11.5	11.3
7.5°	13.8	13.6	13.3	13.1	12.7	12.4	12.0	11.8	11.5	11.1
10°	15.1	14.7	14.2	13.8	13.3	12.9	12.4	12.2	11.8	11.5
12.5°	16.9	16.3	15.4	14.7	14.2	13.6	13.1	12.7	12.0	11.5
15°	18.5	17.6	16.5	15.6	14.9	14.0	13.3	12.7	12.2	11.5
17.5°	20.8	19.2	17.4	16.3	15.4	14.2	13.1	12.4	11.8	10.8
20°	24.6	21.5	18.1	16.7	15.4	14.0	12.7	11.8	11.1	10.2
22.5°	30.7	25.3	19.9	17.9	16.0	14.0	12.2	11.3	10.4	9.5
25°	42.5	32.8	23.0	20.3	17.6	14.9	12.2	11.1	10.2	9.0
27.5°	56.5	42.0	27.3	23.5	19.9	16.0	12.2	10.8	9.7	8.4
30°	70.7	51.5	32.1	27.1	22.1	17.2	12.2	10.6	9.3	7.7
32.5°	84.3	60.3	36.2	30.3	24.4	18.3	12.4	10.6	8.8	7.0
35°	98.1	67.6	36.8	30.7	24.6	18.3	12.2	10.2	8.4	6.3
37.5°	115.7	75.7	35.5	29.4	23.5	17.4	11.5	9.7	7.9	5.9
40°	142.4	89.3	36.2	29.8	23.5	17.2	10.8	9.0	7.5	5.6
42.5°	191.6	115.5	39.1	31.9	24.6	17.2	9.9	8.4	7.0	5.4
45°	331.3	191.8	52.4	41.6	30.7	19.9	9.0	7.7	6.6	5.2
47.5°	548.0	321.1	94.2	72.8	51.5	30.1	8.8	7.7	6.6	5.2
50°	699.4	409.0	118.6	91.3	63.9	36.6	9.3	7.9	6.8	5.4
52.5°	698.2	415.3	132.2	101.5	71.0	40.2	9.7	8.4	7.2	5.9
55°	620.7	377.8	134.7	103.5	72.5	41.4	10.4	9.0	7.7	6.3
57.5°	518.8	320.9	122.9	95.1	67.6	39.8	12.0	10.4	9.0	7.5
60°	410.4	253.1	95.8	75.7	55.8	35.7	15.8	13.8	12.0	9.9
62.5°	283.4	183.5	83.6	67.1	50.8	34.3	18.1	16.0	14.2	12.2
65°	200.4	138.1	75.5	61.5	47.7	33.7	19.7	17.4	15.4	13.1
67.5°	149.8	109.8	69.6	57.6	45.6	33.7	21.7	19.0	16.5	13.8
70°	114.8	90.2	65.3	55.6	46.1	36.4	26.7	22.8	19.2	15.4
72.5°	93.5	77.1	60.3	53.3	46.3	39.3	32.3	27.3	22.4	17.2
75°	77.5	66.0	54.5	48.6	42.9	37.1	31.2	26.7	22.4	17.9
77.5°	51.5	47.0	42.3	38.9	35.5	31.9	28.5	24.6	21.0	17.2
80°	18.1	17.4	16.7	18.1	19.4	20.8	22.1	19.4	16.9	14.2
82.5°	2.7	2.5	2.3	2.5	2.7	2.9	3.2	3.4	3.6	3.8
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: P1049137

CATALOG NUMBER: GALN-SA1A-830-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]



REPORT NUMBER: P1049137

CATALOG NUMBER: GALN-SA1A-830-U-RBC

CANDELA DISTRIBUTION (continued):

25°		27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°
0.0	0°	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1
0.0	2.5°	11.1	11.1	10.8	10.8	10.8	10.6	10.6	10.4	10.4	10.4
0.0	5°	10.8	10.8	10.6	10.4	10.2	10.2	9.9	9.7	9.7	9.5
0.0	7.5°	10.6	10.4	10.2	9.9	9.7	9.5	9.3	9.0	9.0	8.8
0.0	10°	10.8	10.4	10.2	9.7	9.5	9.3	8.8	8.6	8.4	8.4
0.0	12.5°	10.4	10.2	9.7	9.3	9.0	8.6	8.4	7.9	7.7	7.7
0.0	15°	10.4	9.9	9.3	8.8	8.4	8.1	7.7	7.2	7.0	6.8
0.0	17.5°	9.7	9.3	8.6	8.1	7.7	7.2	6.8	6.3	6.1	5.9
0.0	20°	8.8	8.4	7.7	7.0	6.6	6.1	5.6	5.2	5.0	4.7
0.0	22.5°	7.9	7.5	6.8	6.1	5.6	5.2	4.5	4.1	3.8	3.4
0.0	25°	7.5	6.8	6.1	5.4	4.7	4.3	3.6	2.9	2.5	2.0
0.0	27.5°	6.3	5.6	5.0	4.3	3.6	2.9	2.3	1.6	1.1	0.9
0.0	30°	5.4	4.7	4.1	3.4	2.5	1.8	1.1	0.2	0.2	0.2
0.0	32.5°	4.5	3.8	2.9	2.3	1.8	1.1	0.7	0.0	0.0	0.0
0.0	35°	3.6	2.9	2.0	1.4	1.1	0.7	0.5	0.0	0.0	0.0
0.0	37.5°	3.2	2.5	1.6	0.7	0.5	0.5	0.2	0.0	0.0	0.0
0.0	40°	2.9	2.0	1.1	0.2	0.2	0.2	0.0	0.0	0.0	0.0
0.0	42.5°	2.9	2.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	2.9	2.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	2.9	2.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	3.2	2.3	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	3.6	2.7	1.8	0.9	0.7	0.5	0.2	0.0	0.0	0.0
0.0	55°	4.5	4.1	3.4	2.9	2.3	1.6	0.7	0.0	0.0	0.0
0.0	57.5°	5.9	5.9	5.6	5.4	4.1	2.7	1.4	0.0	0.0	0.0
0.0	60°	7.9	7.9	7.9	7.9	5.9	4.1	2.0	0.0	0.0	0.0
0.0	62.5°	9.7	9.3	8.6	8.1	6.1	4.1	2.0	0.0	0.0	0.0
0.0	65°	9.7	8.8	7.7	6.6	5.0	3.4	1.6	0.0	0.0	0.0
0.0	67.5°	9.0	7.2	5.2	3.4	2.5	1.8	0.9	0.0	0.0	0.0
	70°	9.0	6.3	3.6	0.9	0.7	0.5	0.2	0.0	0.0	0.0
	72.5°	9.0	6.1	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	75°	9.9	6.8	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	77.5°	9.9	6.8	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	80°	8.8	5.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	82.5°	2.9	2.0	0.9	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-SA1A-830-U-RBC

[illegible]

REPORT NUMBER: P1049137

CATALOG NUMBER: GALN-SA1A-830-U-RBC

CANDELA DISTRIBUTION (continued):

52.5°		55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°
0.0	0°	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1
0.0	2.5°	10.2	10.2	10.2	9.9	9.9	9.9	9.9	9.7	9.7	9.7
0.0	5°	9.3	9.3	9.0	9.0	8.8	8.8	8.6	8.6	8.4	8.4
0.0	7.5°	8.6	8.4	8.4	8.1	7.9	7.9	7.7	7.7	7.5	7.2
0.0	10°	7.9	7.7	7.7	7.5	7.2	7.0	7.0	6.8	6.6	6.3
0.0	12.5°	7.2	7.0	6.8	6.6	6.3	6.1	6.1	5.9	5.6	5.4
0.0	15°	6.3	6.1	5.9	5.6	5.4	5.2	5.2	5.0	4.7	4.5
0.0	17.5°	5.4	5.2	5.2	5.0	4.7	4.5	4.3	3.8	3.6	3.4
0.0	20°	4.1	3.8	3.6	3.4	3.2	2.7	2.5	2.0	1.6	1.4
0.0	22.5°	2.7	2.3	2.0	1.6	1.1	0.9	0.7	0.2	0.0	0.0
0.0	25°	0.9	0.7	0.5	0.2	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-SA1A-830-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049137

CATALOG NUMBER: GALN-SA1A-830-U-RBC

CANDELA DISTRIBUTION (continued):

80°		82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°
0.0	0°	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1
0.0	2.5°	9.5	9.5	9.5	9.3	9.3	9.3	9.3	9.3	9.3	9.3
0.0	5°	8.1	8.1	8.1	7.9	7.9	7.7	7.7	7.7	7.5	7.5
0.0	7.5°	7.0	6.8	6.8	6.6	6.6	6.3	6.3	6.3	6.1	6.1
0.0	10°	5.9	5.6	5.6	5.4	5.4	5.2	5.2	5.0	5.0	4.7
0.0	12.5°	5.2	5.0	4.7	4.5	4.5	4.3	4.1	4.1	3.8	3.6
0.0	15°	4.1	3.8	3.6	3.4	3.2	2.9	2.7	2.7	2.5	2.3
0.0	17.5°	2.7	2.3	2.0	1.8	1.8	1.6	1.4	1.1	0.9	0.7
0.0	20°	0.7	0.5	0.2	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: P1049137

CATALOG NUMBER: GALN-SA1A-830-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049137

CATALOG NUMBER: GALN-SA1A-830-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°	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1
0.0	2.5°	9.3	9.0	9.0	9.0	9.3	9.3	9.3	9.3	9.3	9.3
0.0	5°	7.5	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2
0.0	7.5°	6.1	5.9	5.9	5.9	5.9	5.6	5.6	5.6	5.6	5.6
0.0	10°	4.7	4.5	4.5	4.5	4.5	4.3	4.3	4.3	4.3	4.3
0.0	12.5°	3.4	3.4	3.2	3.2	3.2	2.9	2.9	2.9	2.9	2.7
0.0	15°	2.0	1.8	1.6	1.6	1.6	1.4	1.4	1.4	1.4	1.1
0.0	17.5°	0.5	0.5	0.2	0.2	0.2	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: P1049137

CATALOG NUMBER: GALN-SA1A-830-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]



REPORT NUMBER: P1049137

CATALOG NUMBER: GALN-SA1A-830-U-RBC

CANDELA DISTRIBUTION (continued):

135°		137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°
0.0	0°	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1
0.0	2.5°	9.5	9.5	9.7	9.7	9.9	10.4	10.6	10.8	11.3	11.8
0.0	5°	7.5	7.7	7.7	7.9	8.1	8.4	8.6	8.8	9.3	9.7
0.0	7.5°	5.9	5.9	6.1	6.1	6.3	6.8	7.0	7.2	7.7	8.4
0.0	10°	4.5	4.5	4.7	4.7	5.0	5.4	5.6	5.9	6.3	7.0
0.0	12.5°	2.9	3.2	3.2	3.4	3.6	4.1	4.3	4.5	5.0	5.4
0.0	15°	1.4	1.6	1.6	1.8	2.0	2.5	2.7	2.9	3.4	4.1
0.0	17.5°	0.2	0.2	0.5	0.5	0.7	0.9	1.1	1.4	2.0	2.5
0.0	20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.9
0.0	22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
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: P1049137

CATALOG NUMBER: GALN-SA1A-830-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049137

CATALOG NUMBER: GALN-SA1A-830-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°	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1
0.0	2.5°	12.4	12.9	13.3	13.8	14.2	14.7	14.9	15.4	15.6	15.8
0.0	5°	10.6	11.1	11.8	12.2	12.7	13.1	13.6	13.8	14.0	14.2
0.0	7.5°	9.3	9.7	10.4	10.8	11.3	11.8	12.2	12.7	12.9	13.1
0.0	10°	7.9	8.6	9.0	9.7	10.2	10.6	11.1	11.5	12.0	12.2
0.0	12.5°	6.3	7.0	7.7	8.1	8.8	9.5	9.9	10.4	10.8	11.3
0.0	15°	5.0	5.6	6.3	6.8	7.5	8.1	8.8	9.3	9.7	10.2
0.0	17.5°	3.6	4.3	5.0	5.4	6.1	6.8	7.2	7.9	8.4	8.8
0.0	20°	1.8	2.5	3.2	3.8	4.5	5.2	5.6	6.3	6.8	7.2
0.0	22.5°	0.2	0.9	1.6	2.0	2.7	3.4	3.8	4.5	5.0	5.4
0.0	25°	0.0	0.2	0.7	0.9	1.1	1.6	2.0	2.5	2.9	3.4
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.9	1.4	1.8
0.0	30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
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	0.2
	82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.5
	85°	0.0	0.0	0.0	0.0	0.0	0.5	0.7	1.1	1.4	1.6
	87.5°	0.0	0.2	0.5	0.7	0.9	1.4	1.8	2.3	2.5	2.7
	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: P1049137

CATALOG NUMBER: GALN-SA1A-830-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049137

CATALOG NUMBER: GALN-SA1A-830-U-RBC

CANDELA DISTRIBUTION (continued):

190°		192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°
0.0	0°	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1
0.0	2.5°	16.0	16.0	16.0	16.0	15.8	15.8	15.8	15.6	15.6	15.4
0.0	5°	14.7	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.7	14.7
0.0	7.5°	13.6	13.8	14.0	14.0	14.2	14.2	14.2	14.0	14.0	13.8
0.0	10°	12.9	13.1	13.1	13.3	13.3	13.3	13.3	13.3	13.3	13.3
0.0	12.5°	12.0	12.2	12.4	12.4	12.7	12.7	12.7	12.7	12.4	12.4
0.0	15°	10.8	11.3	11.5	11.8	11.8	12.0	12.0	12.0	12.0	12.0
0.0	17.5°	9.9	10.4	10.6	10.8	10.8	11.1	11.1	11.3	11.3	11.3
0.0	20°	8.1	8.6	8.8	9.3	9.5	9.7	9.9	10.2	10.2	10.4
0.0	22.5°	6.3	6.8	7.0	7.5	7.7	7.9	8.1	8.4	8.6	8.8
0.0	25°	4.5	5.0	5.2	5.6	5.9	6.1	6.3	6.6	6.6	6.8
0.0	27.5°	2.5	2.9	3.4	3.6	4.1	4.3	4.5	4.7	5.0	5.2
0.0	30°	1.1	1.4	1.6	2.0	2.3	2.5	2.7	3.2	3.4	3.6
0.0	32.5°	0.0	0.0	0.2	0.7	0.9	1.1	1.4	1.6	1.6	1.8
0.0	35°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.7	0.9
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°	0.5	0.5	0.5	0.7	0.7	0.7	0.7	0.7	0.7	0.7
	82.5°	1.1	1.4	1.6	1.6	1.8	1.8	1.8	1.8	1.6	1.6
	85°	2.3	2.5	2.7	2.7	2.9	2.9	2.9	2.9	2.9	2.9
	87.5°	3.2	3.4	3.6	3.6	3.8	3.8	3.8	3.8	3.8	3.8
	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: P1049137

CATALOG NUMBER: GALN-SA1A-830-U-RBC

CANDELA DISTRIBUTION (continued):

217.5°		192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°
13.1	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.4	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14.7	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.8	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.3	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.4	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.0	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.3	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.2	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.8	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.0	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.4	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.8	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.3	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.4	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.5	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.5	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.2	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.2	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.2	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.2	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.2	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											
0.7											
1.6											
2.9											
3.8											
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											

REPORT NUMBER: P1049137

CATALOG NUMBER: GALN-SA1A-830-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°	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1
0.0	2.5°	15.1	15.1	14.9	14.9	14.9	14.9	14.9	15.1	15.4	15.4
0.0	5°	14.5	14.5	14.2	14.2	14.2	14.5	14.5	14.7	14.9	15.1
0.0	7.5°	13.8	13.6	13.6	13.8	13.8	14.0	14.0	14.2	14.5	14.7
0.0	10°	13.3	13.1	13.1	13.1	13.3	13.3	13.6	13.8	14.0	14.2
0.0	12.5°	12.4	12.4	12.4	12.4	12.7	12.7	12.9	13.1	13.6	13.8
0.0	15°	12.0	11.8	11.8	11.8	11.8	12.0	12.0	12.4	12.9	13.1
0.0	17.5°	11.1	11.1	10.8	10.8	11.1	11.1	11.3	11.8	12.2	12.4
0.0	20°	10.2	9.9	9.7	9.7	9.9	9.9	10.2	10.6	11.1	11.3
0.0	22.5°	8.8	8.6	8.6	8.6	8.6	8.8	8.8	9.3	9.9	10.4
0.0	25°	7.0	7.2	7.2	7.5	7.5	7.7	7.9	8.4	9.0	9.5
0.0	27.5°	5.4	5.6	5.6	6.1	6.3	6.6	6.8	7.5	8.1	8.6
0.0	30°	4.1	4.3	4.5	4.7	5.2	5.6	6.1	6.8	7.5	7.9
0.0	32.5°	2.5	2.9	3.2	3.6	4.1	4.5	5.0	5.6	6.6	7.2
0.0	35°	1.8	2.0	2.5	2.7	3.2	3.6	4.1	5.0	5.6	6.6
0.0	37.5°	0.9	1.4	1.8	2.3	2.7	3.2	3.6	4.5	5.4	6.1
0.0	40°	0.7	1.1	1.4	1.8	2.5	2.9	3.4	4.3	5.2	6.1
0.0	42.5°	0.5	0.7	0.9	1.6	2.0	2.7	3.4	4.3	5.2	6.1
0.0	45°	0.5	0.5	0.7	1.4	2.0	2.9	3.6	4.5	5.2	6.1
0.0	47.5°	0.5	0.7	0.9	1.8	2.3	2.9	3.6	4.3	5.2	5.9
0.0	50°	0.7	0.9	1.1	2.0	2.5	3.2	3.6	4.5	5.2	6.1
0.0	52.5°	0.5	0.7	0.9	1.8	2.5	3.4	4.1	5.0	5.9	6.6
0.0	55°	0.2	0.2	0.2	1.4	2.7	3.8	5.2	5.9	6.8	7.5
0.0	57.5°	0.0	0.0	0.0	0.9	2.7	4.3	5.9	6.8	7.7	8.4
0.0	60°	0.0	0.0	0.0	0.9	2.7	4.3	5.9	7.0	8.1	9.3
0.0	62.5°	0.0	0.0	0.0	0.9	2.3	3.6	5.0	6.8	8.8	10.6
0.0	65°	0.0	0.0	0.0	0.7	1.8	2.9	4.1	6.8	9.5	12.0
0.0	67.5°	0.0	0.0	0.0	0.7	1.8	2.7	3.8	6.8	9.5	12.4
	70°	0.0	0.0	0.0	0.7	1.8	2.9	4.1	6.8	9.5	12.2
	72.5°	0.0	0.0	0.0	0.7	2.0	3.2	4.5	6.8	9.0	11.3
	75°	0.0	0.0	0.0	0.9	2.0	3.4	4.7	6.8	8.8	10.6
	77.5°	0.0	0.0	0.0	0.7	2.0	3.2	4.5	6.6	8.6	10.4
	80°	0.7	0.5	0.5	1.1	2.0	2.9	3.8	5.9	8.1	10.2
	82.5°	1.4	1.4	1.1	1.6	2.0	2.7	3.4	5.2	7.2	9.0
	85°	2.7	2.7	2.5	2.7	2.7	2.9	3.2	4.1	5.0	5.9
	87.5°	3.6	3.6	3.4	3.4	3.4	3.2	3.2	3.2	3.2	2.9
	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: P1049137

CATALOG NUMBER: GALN-SA1A-830-U-RBC

CANDELA DISTRIBUTION (continued):

245°		220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°
13.1	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.6	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.4	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14.9	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14.5	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14.0	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.6	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.9	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.8	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.8	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.9	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.3	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.6	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.9	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.2	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.0	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.0	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.0	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.8	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.6	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.8	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.5	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.1	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.3	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.4	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.4	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14.7	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.1	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14.9											
13.6											
12.7											
12.4											
12.2											
10.8											
6.8											
2.9											
0.0											
0.0											
0.0											
0.0											
0.0											
0.0											
0.0											
0.0											
0.0											
0.0											
0.0											

REPORT NUMBER: P1049137

CATALOG NUMBER: GALN-SA1A-830-U-RBC

CANDELA DISTRIBUTION (continued):

245°		247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°
0.0	0°	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1
0.0	2.5°	15.8	16.0	16.0	16.3	16.5	16.7	16.7	16.9	16.9	16.9
0.0	5°	15.6	16.0	16.3	16.5	16.7	16.9	17.2	17.4	17.6	17.6
0.0	7.5°	15.4	15.6	16.0	16.3	16.7	16.9	17.4	17.6	17.9	18.1
0.0	10°	14.9	15.4	15.8	16.3	16.7	17.2	17.6	18.1	18.5	18.8
0.0	12.5°	14.5	15.1	15.6	16.0	16.7	17.4	17.9	18.5	19.0	19.4
0.0	15°	14.2	14.7	15.4	15.8	16.7	17.6	18.3	19.2	20.1	20.8
0.0	17.5°	13.6	14.5	15.1	15.8	16.7	17.9	18.8	19.7	21.0	22.4
0.0	20°	12.7	13.3	14.2	14.9	16.3	17.4	18.8	19.9	21.9	24.0
0.0	22.5°	11.8	12.7	13.3	14.2	15.8	17.2	18.8	20.1	23.5	26.7
0.0	25°	10.8	12.0	12.9	13.8	15.6	17.4	19.2	21.0	26.7	32.3
0.0	27.5°	10.4	11.3	12.4	13.3	15.6	18.1	20.3	22.6	31.6	40.4
0.0	30°	9.7	10.8	11.8	12.9	15.8	18.8	21.7	24.6	38.4	52.2
0.0	32.5°	9.0	10.2	11.3	12.4	16.3	20.1	23.7	27.6	45.6	63.5
0.0	35°	8.4	9.7	10.8	12.0	16.9	22.1	27.1	32.1	52.2	72.1
0.0	37.5°	8.1	9.5	10.6	11.8	17.2	22.4	27.8	33.0	52.9	72.8
0.0	40°	8.4	9.5	10.8	12.0	16.5	21.0	25.3	29.8	50.6	71.2
0.0	42.5°	8.4	9.7	11.1	12.4	16.0	19.7	23.3	26.9	49.9	73.0
0.0	45°	8.1	9.5	10.8	12.2	15.6	18.8	22.1	25.3	54.0	82.5
0.0	47.5°	7.9	9.3	10.6	12.0	15.4	18.8	22.1	25.5	69.8	113.9
0.0	50°	7.9	9.3	10.4	11.5	15.6	19.9	24.0	28.0	101.7	175.1
0.0	52.5°	8.4	9.5	10.4	11.3	16.0	21.0	25.8	30.5	129.3	227.8
0.0	55°	9.0	9.7	10.6	11.3	17.2	22.8	28.7	34.3	137.6	240.9
0.0	57.5°	9.9	10.6	11.3	12.0	19.2	26.4	33.4	40.7	138.3	235.7
0.0	60°	11.1	12.0	12.7	13.3	21.0	28.9	36.6	44.3	125.2	205.9
0.0	62.5°	13.6	14.7	15.6	16.7	24.2	31.4	38.9	46.1	103.9	161.8
0.0	65°	15.6	16.5	17.4	18.3	25.5	33.0	40.2	47.5	88.1	128.8
0.0	67.5°	16.0	16.9	17.6	18.5	26.0	33.4	40.7	48.1	75.5	102.6
	70°	16.3	17.4	18.8	19.9	27.6	35.3	42.7	50.4	66.9	83.4
	72.5°	15.6	17.9	19.9	21.9	29.1	36.2	43.4	50.4	62.1	73.9
	75°	15.6	18.8	21.7	24.6	30.1	35.3	40.7	45.9	54.9	63.9
	77.5°	16.5	20.6	24.6	28.7	31.9	34.8	38.0	40.9	46.8	52.6
	80°	16.5	20.8	24.9	29.1	30.5	32.1	33.4	34.8	35.5	36.2
	82.5°	14.2	17.6	21.0	24.4	22.8	21.2	19.7	18.1	16.9	15.6
	85°	7.2	7.9	8.4	8.8	8.1	7.5	6.8	6.1	5.6	5.0
	87.5°	2.9	2.9	2.7	2.7	2.7	2.7	2.5	2.5	2.5	2.5
	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

REPORT NUMBER: P1049137

CATALOG NUMBER: GALN-SA1A-830-U-RBC

CANDELA DISTRIBUTION (continued):

272.5°		247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°
13.1	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16.9	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.6	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18.3	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19.2	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20.1	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21.9	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24.2	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27.8	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35.5	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48.1	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66.9	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90.6	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
113.2	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
128.6	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140.1	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
151.6	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
174.2	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
219.4	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
334.4	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
512.3	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
644.9	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
659.6	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
595.2	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
508.9	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
397.7	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
300.5	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
221.9	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.0											
116.8											
85.0											
63.9											
35.9											
16.3											
4.7											
2.3											
0.0											
0.0											
0.0											
0.0											
0.0											
0.0											
0.0											
0.0											
0.0											
0.0											
0.0											

REPORT NUMBER: P1049137

CATALOG NUMBER: GALN-SA1A-830-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°	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1
0.0	2.5°	16.9	16.7	16.7	16.5	16.3	16.0	15.8	15.6	15.4	15.1
0.0	5°	17.6	17.6	17.6	17.4	17.4	17.2	17.2	16.9	16.7	16.5
0.0	7.5°	18.3	18.5	18.5	18.8	18.8	18.8	18.8	18.5	18.5	18.5
0.0	10°	19.4	19.7	19.9	20.1	20.3	20.6	20.6	20.8	20.8	20.8
0.0	12.5°	20.8	21.5	21.9	22.6	23.0	23.7	24.2	24.9	25.3	25.8
0.0	15°	22.8	24.0	25.3	26.4	27.6	29.1	31.0	32.5	34.1	36.6
0.0	17.5°	25.8	29.4	33.0	36.4	40.0	47.9	55.8	63.5	71.4	82.9
0.0	20°	31.4	42.3	52.9	63.7	74.3	102.1	129.7	157.5	185.1	214.7
0.0	22.5°	44.1	70.7	97.4	124.1	150.7	208.8	266.6	324.7	382.6	450.6
0.0	25°	63.9	113.0	162.0	210.8	259.9	350.7	441.8	532.6	623.4	711.8
0.0	27.5°	93.1	168.1	243.1	317.9	393.0	516.1	639.5	762.6	885.8	985.7
0.0	30°	129.0	230.7	332.4	434.1	535.8	675.9	816.0	955.8	1095.9	1205.1
0.0	32.5°	162.9	287.4	411.9	536.2	660.7	820.3	980.0	1139.5	1299.1	1418.4
0.0	35°	185.1	335.6	486.3	636.8	787.3	959.9	1132.5	1305.0	1477.6	1613.8
0.0	37.5°	207.2	381.0	554.5	728.3	901.8	1091.4	1281.0	1470.6	1660.2	1828.5
0.0	40°	232.1	435.9	639.5	843.3	1046.9	1271.5	1495.9	1720.5	1944.9	2182.4
0.0	42.5°	275.2	527.0	778.9	1030.6	1282.4	1579.5	1876.6	2173.6	2470.7	2809.7
0.0	45°	356.3	711.1	1066.1	1420.9	1775.6	2169.3	2563.1	2956.8	3350.4	3801.4
0.0	47.5°	555.0	1043.1	1530.9	2019.0	2506.9	2931.9	3356.7	3781.8	4206.6	4655.8
0.0	50°	849.2	1417.3	1985.3	2553.2	3121.3	3505.9	3890.2	4274.8	4659.2	5086.5
0.0	52.5°	1062.0	1653.8	2245.9	2837.7	3429.5	3776.6	4123.9	4471.0	4818.0	5217.3
0.0	55°	1078.1	1666.5	2255.1	2843.5	3432.0	3780.6	4129.3	4478.0	4826.6	5249.9
0.0	57.5°	954.5	1538.1	2121.6	2705.3	3288.7	3685.7	4082.5	4479.5	4876.3	5333.9
0.0	60°	811.9	1395.8	1979.5	2563.4	3147.0	3604.4	4062.0	4519.3	4976.7	5405.3
0.0	62.5°	633.4	1234.0	1834.8	2435.5	3036.1	3500.4	3964.8	4428.9	4893.3	5214.8
0.0	65°	472.0	1055.3	1638.5	2221.5	2804.7	3176.6	3548.6	3920.3	4292.2	4491.3
0.0	67.5°	341.2	844.2	1347.0	1850.0	2352.8	2618.9	2885.1	3151.1	3417.3	3569.6
	70°	230.7	579.1	927.4	1275.8	1624.0	1842.7	2061.7	2280.4	2499.2	2704.8
	72.5°	159.8	355.4	551.4	747.0	942.7	1162.8	1382.7	1602.8	1822.6	2040.2
	75°	106.0	195.0	284.3	373.3	462.3	625.2	788.4	951.3	1114.2	1243.9
	77.5°	75.2	101.9	128.8	155.5	182.1	212.6	243.4	273.9	304.4	350.7
	80°	35.7	39.1	42.5	45.6	49.0	60.1	71.2	82.3	93.3	105.1
	82.5°	16.9	18.3	19.7	20.8	22.1	23.3	24.4	25.5	26.7	25.5
	85°	4.5	4.5	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.5
	87.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.8	1.8	1.6
	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: P1049137

CATALOG NUMBER: GALN-SA1A-830-U-RBC

CANDELA DISTRIBUTION (continued):

300°		275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°
13.1	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14.9	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16.3	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18.3	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21.0	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26.0	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39.3	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
94.2	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
244.5	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
518.6	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
800.1	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1085.5	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1314.4	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1537.9	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1750.1	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1997.1	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2419.9	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3148.6	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4252.4	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5105.0	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5513.8	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5616.6	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5673.3	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5791.5	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5833.7	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5536.6	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4690.6	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3722.1	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2910.2											
2257.8											
1373.6											
397.0											
116.8											
24.2											
4.3											
1.6											
0.0											
0.0											
0.0											
0.0											
0.0											
0.0											
0.0											
0.0											
0.0											
0.0											
0.0											

REPORT NUMBER: P1049137

CATALOG NUMBER: GALN-SA1A-830-U-RBC

CANDELA DISTRIBUTION (continued):

300°		302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°
0.0	0°	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1
0.0	2.5°	14.7	14.5	14.2	14.0	13.8	13.3	13.3	13.1	13.1
0.0	5°	16.0	15.8	15.6	15.4	15.4	15.1	14.9	14.9	14.7
0.0	7.5°	18.3	18.1	17.9	17.6	17.6	17.4	17.4	17.2	17.2
0.0	10°	21.0	21.0	21.0	21.0	21.0	20.8	20.8	20.8	20.6
0.0	12.5°	26.4	26.7	27.1	27.6	28.2	28.2	28.2	28.0	28.0
0.0	15°	41.8	44.3	46.1	47.9	49.5	53.1	52.6	52.0	51.5
0.0	17.5°	105.8	117.1	123.2	129.0	135.1	151.8	149.1	146.4	143.9
0.0	20°	274.1	303.7	323.4	343.0	362.9	394.3	386.6	378.9	371.3
0.0	22.5°	586.4	654.4	684.0	713.6	743.0	780.9	756.3	731.7	707.3
0.0	25°	888.3	976.6	1026.6	1076.5	1126.2	1147.9	1115.8	1083.5	1051.4
0.0	27.5°	1185.4	1285.3	1329.4	1373.2	1417.3	1462.7	1422.9	1382.9	1343.1
0.0	30°	1423.6	1532.7	1580.4	1627.9	1675.5	1707.2	1666.0	1624.7	1583.6
0.0	32.5°	1657.2	1776.5	1828.7	1880.9	1932.9	1978.3	1927.7	1876.9	1826.3
0.0	35°	1886.1	2022.4	2094.2	2166.1	2238.0	2280.2	2220.1	2159.8	2099.7
0.0	37.5°	2165.4	2333.8	2414.2	2494.7	2575.1	2652.2	2585.9	2519.5	2453.3
0.0	40°	2657.4	2894.8	3018.2	3141.8	3265.2	3364.6	3281.0	3197.4	3113.8
0.0	42.5°	3487.5	3826.5	4003.9	4181.0	4358.4	4513.7	4425.8	4337.9	4250.0
0.0	45°	4703.5	5154.5	5370.7	5586.8	5803.0	5916.5	5789.9	5663.1	5536.6
0.0	47.5°	5554.0	6003.2	6195.7	6388.3	6580.8	6710.3	6555.5	6400.7	6246.1
0.0	50°	5940.9	6368.2	6561.4	6754.3	6947.5	7050.3	6871.6	6692.6	6513.9
0.0	52.5°	6015.7	6414.9	6645.4	6876.1	7106.6	7244.0	7032.9	6821.7	6610.6
0.0	55°	6096.5	6519.8	6787.1	7054.6	7322.0	7512.2	7273.6	7034.8	6796.1
0.0	57.5°	6248.8	6706.4	6973.1	7239.5	7506.1	7667.7	7428.4	7188.9	6949.6
0.0	60°	6262.4	6690.8	6920.0	7149.3	7378.4	7480.1	7251.2	7022.1	6793.2
0.0	62.5°	5858.2	6179.7	6338.8	6497.9	6656.9	6767.4	6528.6	6289.5	6050.7
0.0	65°	4889.7	5088.7	5215.5	5342.3	5469.0	5600.8	5382.0	5163.3	4944.6
0.0	67.5°	3874.4	4026.7	4193.7	4360.7	4527.7	4668.4	4493.3	4318.0	4142.8
	70°	3115.8	3321.2	3509.0	3696.8	3884.6	3999.8	3824.0	3648.0	3472.2
	72.5°	2475.5	2693.1	2849.9	3006.5	3163.3	3191.5	3062.3	2933.0	2804.0
	75°	1503.1	1632.8	1636.0	1638.9	1642.1	1669.0	1561.9	1454.8	1347.9
	77.5°	443.3	489.7	527.9	565.8	604.0	650.1	610.8	571.2	531.9
	80°	128.3	140.1	150.0	159.8	169.7	163.8	154.6	145.3	136.0
	82.5°	23.0	21.7	21.5	21.2	21.2	20.1	18.3	16.5	14.7
	85°	4.1	3.8	3.6	3.4	3.2	2.9	2.5	2.3	1.8
	87.5°	1.4	1.1	0.9	0.7	0.7	0.2	0.2	0.2	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: P1049137

CATALOG NUMBER: GALN-SA1A-830-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049137

CATALOG NUMBER: GALN-SA1A-830-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°	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1
0.0	0.0	2.5°	12.9	12.7	12.7	12.7	12.7	12.4	12.4	12.4	12.4
0.0	0.0	5°	14.2	14.2	14.0	14.0	13.8	13.8	13.6	13.6	13.3
0.0	0.0	7.5°	16.7	16.5	16.3	16.0	15.8	15.4	15.1	14.9	14.9
0.0	0.0	10°	20.1	19.7	19.4	19.0	18.8	18.3	17.9	17.4	16.9
0.0	0.0	12.5°	26.4	25.5	24.9	24.0	23.0	22.4	21.5	20.8	19.9
0.0	0.0	15°	45.9	43.6	41.1	38.2	35.0	32.1	28.9	27.1	25.1
0.0	0.0	17.5°	117.3	105.5	93.5	83.8	74.1	64.6	54.9	47.9	40.9
0.0	0.0	20°	298.5	266.0	233.4	201.3	169.0	136.9	104.6	88.4	72.1
0.0	0.0	22.5°	561.7	501.4	440.9	382.3	323.6	265.1	206.5	169.7	133.1
0.0	0.0	25°	867.0	791.1	715.2	618.9	522.4	426.2	329.9	270.0	210.1
0.0	0.0	27.5°	1128.2	1040.8	953.3	836.3	719.2	602.2	485.1	395.9	306.9
0.0	0.0	30°	1354.4	1260.4	1166.4	1030.2	893.9	757.7	621.4	509.8	398.2
0.0	0.0	32.5°	1550.6	1438.0	1325.5	1185.0	1044.4	903.9	763.3	626.4	489.4
0.0	0.0	35°	1776.8	1645.5	1514.0	1358.1	1201.9	1046.0	890.1	735.5	580.7
0.0	0.0	37.5°	2064.2	1903.1	1741.7	1568.0	1394.2	1220.7	1046.9	870.2	693.5
0.0	0.0	40°	2614.4	2406.5	2198.6	1977.9	1756.9	1536.1	1315.3	1098.4	881.5
0.0	0.0	42.5°	3600.3	3319.4	3038.6	2744.8	2450.8	2157.1	1863.1	1557.1	1250.9
0.0	0.0	45°	4713.0	4364.5	4015.9	3686.2	3356.3	3026.6	2696.9	2277.1	1857.2
0.0	0.0	47.5°	5338.7	4962.4	4586.2	4274.1	3962.1	3650.0	3338.0	2885.4	2432.7
0.0	0.0	50°	5568.9	5185.9	4802.9	4515.7	4228.3	3941.1	3653.6	3200.3	2746.8
0.0	0.0	52.5°	5618.0	5227.3	4836.6	4547.6	4258.5	3969.8	3680.7	3230.4	2780.1
0.0	0.0	55°	5718.7	5299.6	4880.2	4550.7	4221.3	3891.8	3562.3	3104.8	2647.2
0.0	0.0	57.5°	5850.5	5420.7	4990.9	4615.6	4240.2	3865.1	3489.8	2989.5	2489.2
0.0	0.0	60°	5815.9	5441.9	5067.7	4665.7	4263.5	3861.5	3459.3	2909.1	2358.6
0.0	0.0	62.5°	5215.7	4917.9	4619.9	4289.3	3958.5	3627.9	3297.3	2730.8	2164.3
0.0	0.0	65°	4290.9	4073.5	3856.1	3590.1	3324.0	3058.0	2792.0	2284.1	1776.3
0.0	0.0	67.5°	3477.6	3232.7	2987.5	2775.5	2563.4	2351.4	2139.2	1739.5	1339.7
		70°	2762.9	2496.5	2229.8	2022.8	1815.6	1608.6	1401.7	1135.9	870.4
		72.5°	2194.1	1953.9	1713.7	1493.0	1272.0	1051.2	830.2	673.2	516.1
		75°	1048.7	952.7	856.6	741.2	625.7	510.2	394.8	326.3	258.1
		77.5°	388.7	336.9	284.9	237.9	190.9	144.2	97.2	89.0	80.9
		80°	100.6	87.7	74.6	65.3	55.8	46.5	37.3	33.7	30.3
		82.5°	11.5	10.6	9.9	9.5	8.8	8.4	7.7	7.0	6.3
		85°	0.7	0.5	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: P1049137

CATALOG NUMBER: GALN-SA1A-830-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049137

CATALOG NUMBER: GALN-SA1A-830-U-RBC

CANDELA DISTRIBUTION (continued):

352.5°	355°		357.5°	360°
0.0	0.0	0°	13.1	13.1
0.0	0.0	2.5°	12.2	12.0
0.0	0.0	5°	12.9	12.7
0.0	0.0	7.5°	14.2	13.8
0.0	0.0	10°	15.6	15.1
0.0	0.0	12.5°	17.6	16.9
0.0	0.0	15°	19.9	18.5
0.0	0.0	17.5°	23.7	20.8
0.0	0.0	20°	32.1	24.6
0.0	0.0	22.5°	45.2	30.7
0.0	0.0	25°	66.4	42.5
0.0	0.0	27.5°	92.4	56.5
0.0	0.0	30°	122.9	70.7
0.0	0.0	32.5°	149.8	84.3
0.0	0.0	35°	184.8	98.1
0.0	0.0	37.5°	228.0	115.7
0.0	0.0	40°	294.9	142.4
0.0	0.0	42.5°	415.3	191.6
0.0	0.0	45°	674.5	331.3
0.0	0.0	47.5°	1037.9	548.0
0.0	0.0	50°	1269.7	699.4
0.0	0.0	52.5°	1288.7	698.2
0.0	0.0	55°	1176.4	620.7
0.0	0.0	57.5°	1003.7	518.8
0.0	0.0	60°	834.3	410.4
0.0	0.0	62.5°	657.3	283.4
0.0	0.0	65°	480.4	200.4
0.0	0.0	67.5°	345.0	149.8
		70°	226.9	114.8
		72.5°	147.8	93.5
		75°	99.4	77.5
		77.5°	58.1	51.5
		80°	20.6	18.1
		82.5°	3.8	2.7
		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: P1049137

CATALOG NUMBER: GALN-SA1A-830-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

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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

Report Prepared for

Cooper Lighting Solutions

McGraw-Edison

Report Number: SP1-2407-184-9

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-830-U-5WQ

Data in this report applies to families of products including GSS-SB1A-830-U-5WQ

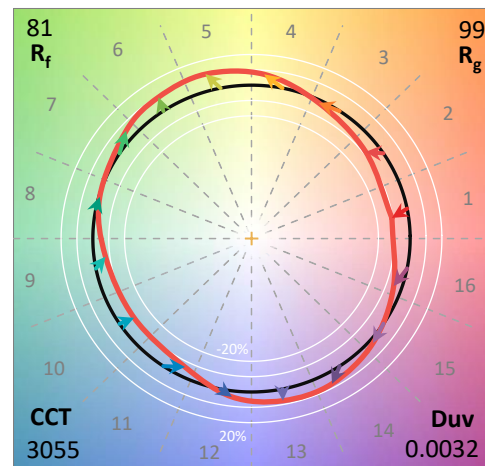
Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-9
 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-830-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI
 3000K CCT 26 LEDS

Spectral Parameters

CCT (K): 3055
 CIE u' : 0.2475
 CIE v' : 0.5247
 Duv: 0.0032
 CIE x: 0.4377
 CIE y: 0.4124
 CIE z: 0.1499
 Peak Wavelength (nm): 604
 Dominant Wavelength (nm): 581
 Purity: 55.16339
 R_f: 81.5
 R_g: 99.2

CRI (Ra): 80.9
 R1: 79.5
 R2: 85.6
 R3: 92.1
 R4: 82.4
 R5: 78.9
 R6: 81.7
 R7: 85.1
 R8: 61.9
 R9: 6.8
 R10: 67.1
 R11: 82.5
 R12: 63.4
 R13: 80.2
 R14: 95.1
 R15: 71.7



Test Conditions

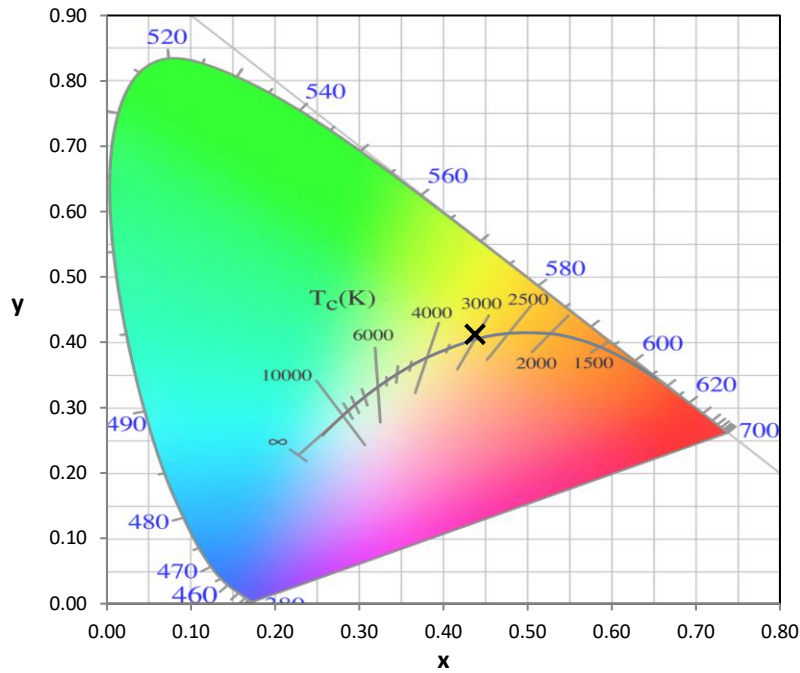
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-9

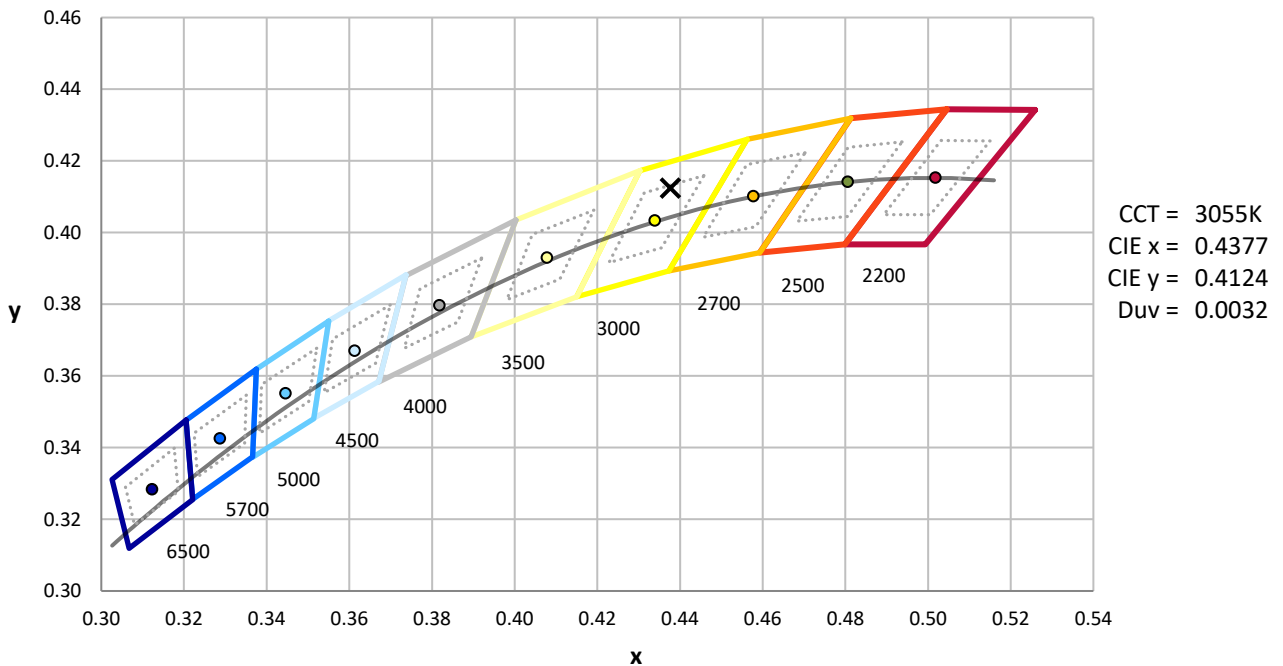
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-9

CIE 1931 Chromaticity Diagram



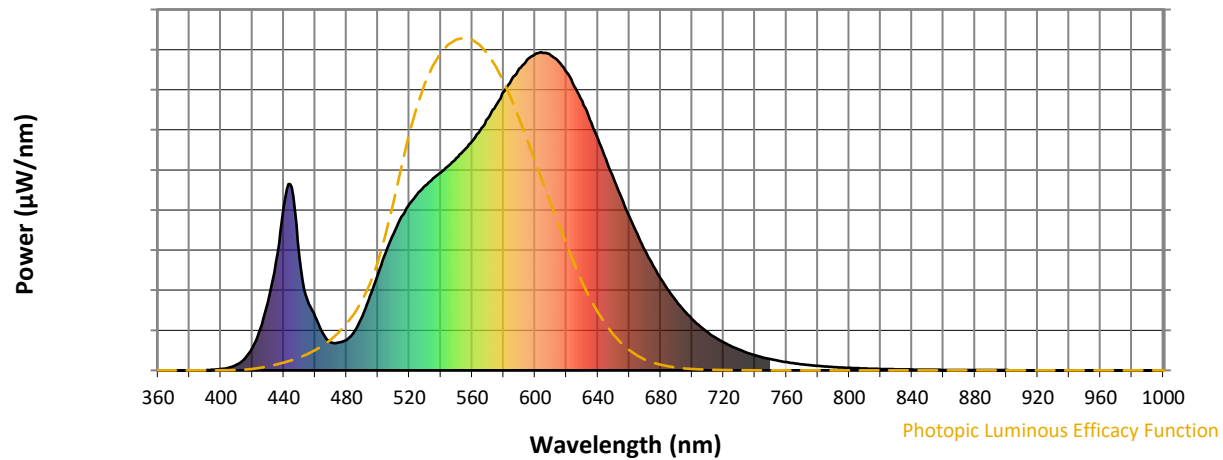
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-9

Photopic Flux vs. Wavelength

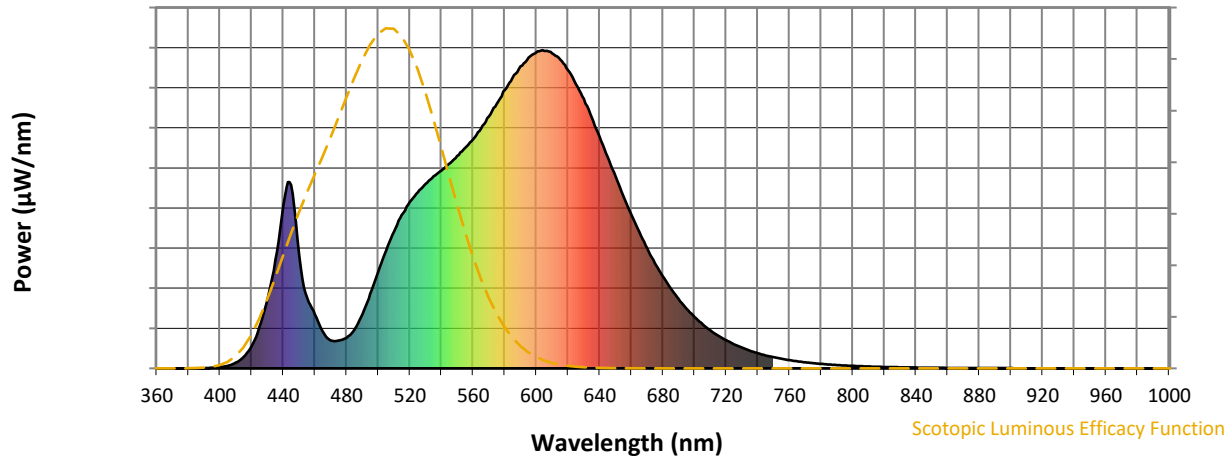


Photopic Lumens: NR

λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)
360	0	NR	490	170	NR	620	938	NR	750	35	NR	880	1	NR
365	0	NR	495	234	NR	625	894	NR	755	30	NR	885	1	NR
370	0	NR	500	302	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	371	NR	635	788	NR	765	22	NR	895	1	NR
380	0	NR	510	431	NR	640	728	NR	770	19	NR	900	1	NR
385	0	NR	515	482	NR	645	665	NR	775	16	NR	905	1	NR
390	0	NR	520	523	NR	650	603	NR	780	14	NR	910	0	NR
395	2	NR	525	553	NR	655	542	NR	785	12	NR	915	0	NR
400	4	NR	530	580	NR	660	484	NR	790	11	NR	920	0	NR
405	8	NR	535	603	NR	665	430	NR	795	9	NR	925	0	NR
410	18	NR	540	622	NR	670	377	NR	800	8	NR	930	0	NR
415	36	NR	545	644	NR	675	330	NR	805	7	NR	935	0	NR
420	71	NR	550	668	NR	680	289	NR	810	6	NR	940	0	NR
425	131	NR	555	693	NR	685	250	NR	815	5	NR	945	0	NR
430	215	NR	560	720	NR	690	218	NR	820	4	NR	950	0	NR
435	341	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	514	NR	570	792	NR	700	161	NR	830	3	NR	960	0	NR
445	576	NR	575	832	NR	705	139	NR	835	3	NR	965	0	NR
450	358	NR	580	875	NR	710	119	NR	840	3	NR	970	0	NR
455	222	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	170	NR	590	950	NR	720	88	NR	850	2	NR	980	0	NR
465	115	NR	595	977	NR	725	76	NR	855	2	NR	985	0	NR
470	88	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	87	NR	605	997	NR	735	56	NR	865	1	NR	995	0	NR
480	96	NR	610	990	NR	740	47	NR	870	1	NR	1000	0	NR
485	122	NR	615	971	NR	745	41	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-9

Scotopic Flux vs. Wavelength



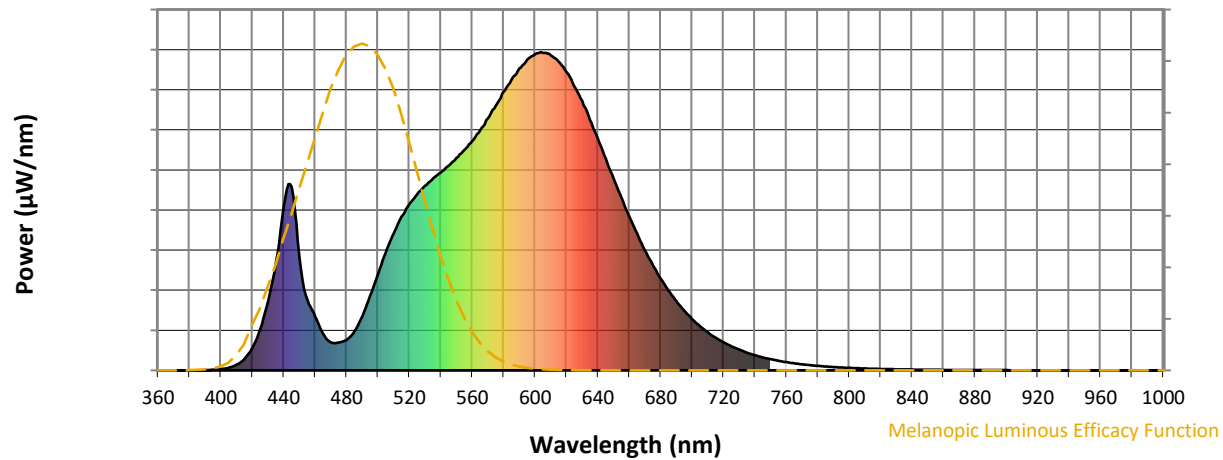
Scotopic Lumens: NR

S/P: 1.28

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	170	NR	620	938	NR	750	35	NR	880	1	NR
365	0	NR	495	234	NR	625	894	NR	755	30	NR	885	1	NR
370	0	NR	500	302	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	371	NR	635	788	NR	765	22	NR	895	1	NR
380	0	NR	510	431	NR	640	728	NR	770	19	NR	900	1	NR
385	0	NR	515	482	NR	645	665	NR	775	16	NR	905	1	NR
390	0	NR	520	523	NR	650	603	NR	780	14	NR	910	0	NR
395	2	NR	525	553	NR	655	542	NR	785	12	NR	915	0	NR
400	4	NR	530	580	NR	660	484	NR	790	11	NR	920	0	NR
405	8	NR	535	603	NR	665	430	NR	795	9	NR	925	0	NR
410	18	NR	540	622	NR	670	377	NR	800	8	NR	930	0	NR
415	36	NR	545	644	NR	675	330	NR	805	7	NR	935	0	NR
420	71	NR	550	668	NR	680	289	NR	810	6	NR	940	0	NR
425	131	NR	555	693	NR	685	250	NR	815	5	NR	945	0	NR
430	215	NR	560	720	NR	690	218	NR	820	4	NR	950	0	NR
435	341	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	514	NR	570	792	NR	700	161	NR	830	3	NR	960	0	NR
445	576	NR	575	832	NR	705	139	NR	835	3	NR	965	0	NR
450	358	NR	580	875	NR	710	119	NR	840	3	NR	970	0	NR
455	222	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	170	NR	590	950	NR	720	88	NR	850	2	NR	980	0	NR
465	115	NR	595	977	NR	725	76	NR	855	2	NR	985	0	NR
470	88	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	87	NR	605	997	NR	735	56	NR	865	1	NR	995	0	NR
480	96	NR	610	990	NR	740	47	NR	870	1	NR	1000	0	NR
485	122	NR	615	971	NR	745	41	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-9

Melanopic Flux vs. Wavelength


Melanopic Lumens: NR
M/P: 2.33

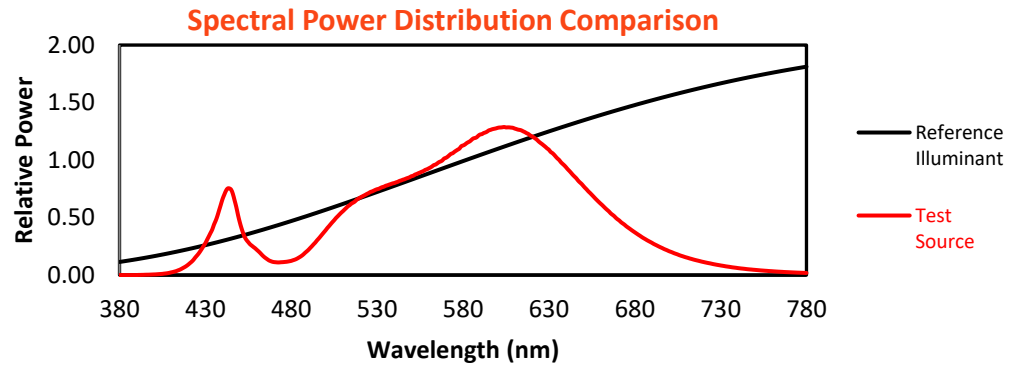
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	170	NR	620	938	NR	750	35	NR	880	1	NR
365	0	NR	495	234	NR	625	894	NR	755	30	NR	885	1	NR
370	0	NR	500	302	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	371	NR	635	788	NR	765	22	NR	895	1	NR
380	0	NR	510	431	NR	640	728	NR	770	19	NR	900	1	NR
385	0	NR	515	482	NR	645	665	NR	775	16	NR	905	1	NR
390	0	NR	520	523	NR	650	603	NR	780	14	NR	910	0	NR
395	2	NR	525	553	NR	655	542	NR	785	12	NR	915	0	NR
400	4	NR	530	580	NR	660	484	NR	790	11	NR	920	0	NR
405	8	NR	535	603	NR	665	430	NR	795	9	NR	925	0	NR
410	18	NR	540	622	NR	670	377	NR	800	8	NR	930	0	NR
415	36	NR	545	644	NR	675	330	NR	805	7	NR	935	0	NR
420	71	NR	550	668	NR	680	289	NR	810	6	NR	940	0	NR
425	131	NR	555	693	NR	685	250	NR	815	5	NR	945	0	NR
430	215	NR	560	720	NR	690	218	NR	820	4	NR	950	0	NR
435	341	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	514	NR	570	792	NR	700	161	NR	830	3	NR	960	0	NR
445	576	NR	575	832	NR	705	139	NR	835	3	NR	965	0	NR
450	358	NR	580	875	NR	710	119	NR	840	3	NR	970	0	NR
455	222	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	170	NR	590	950	NR	720	88	NR	850	2	NR	980	0	NR
465	115	NR	595	977	NR	725	76	NR	855	2	NR	985	0	NR
470	88	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	87	NR	605	997	NR	735	56	NR	865	1	NR	995	0	NR
480	96	NR	610	990	NR	740	47	NR	870	1	NR	1000	0	NR
485	122	NR	615	971	NR	745	41	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-9

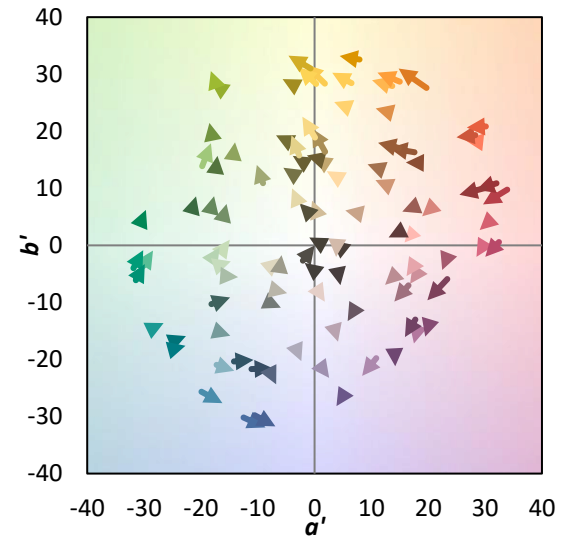
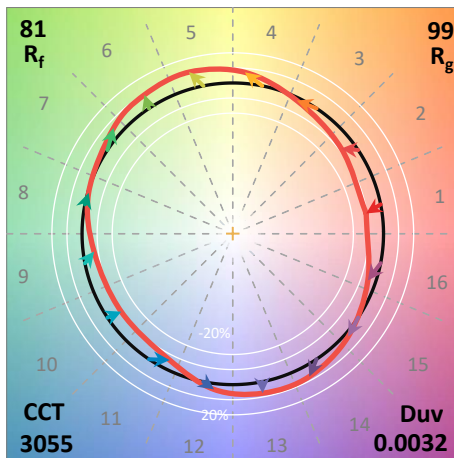
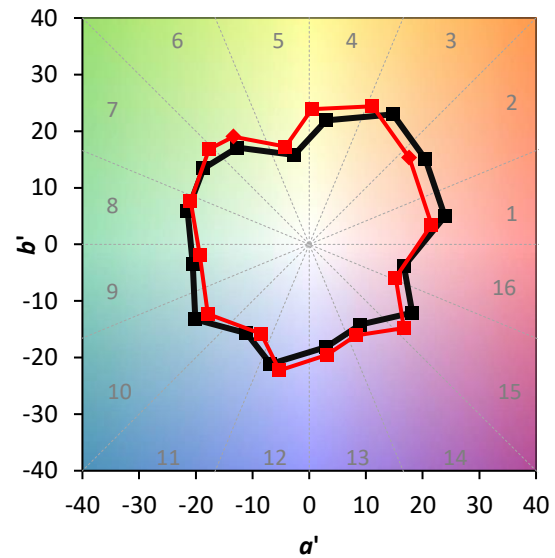
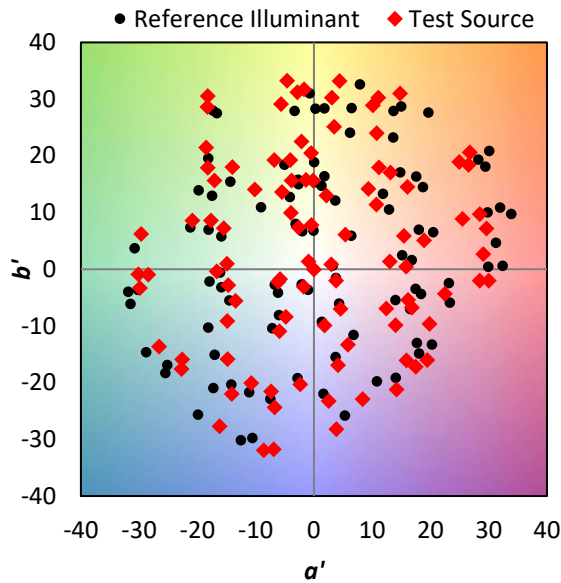
TM-30-18

Summary

$R_f = 81.5$
 $R_g = 99.2$
 $CIE R_a = 80.9$
 $R_9 = 6.8$

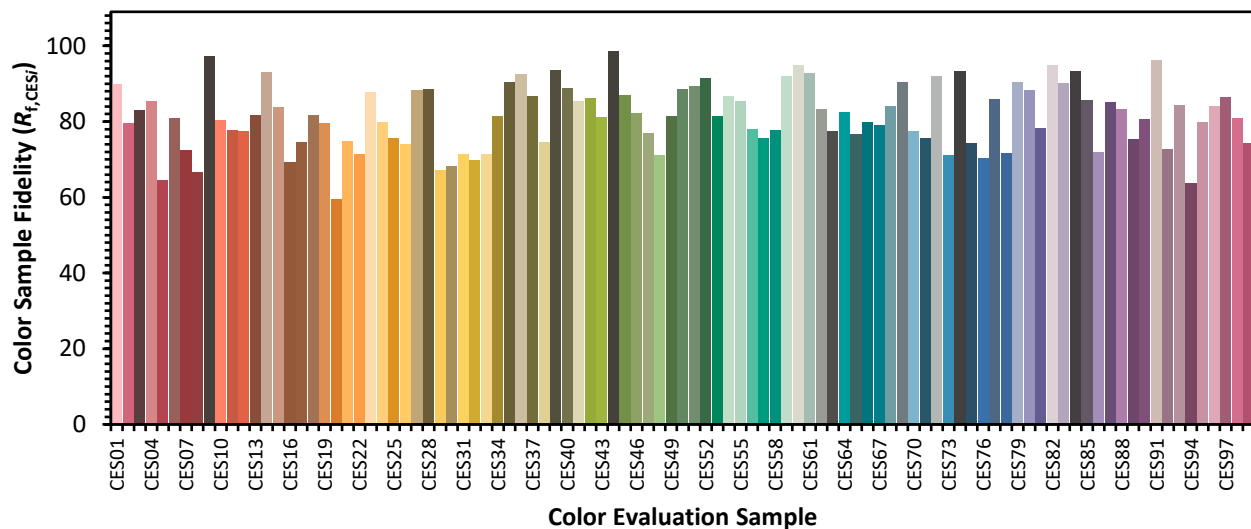


Color Vector Graphics

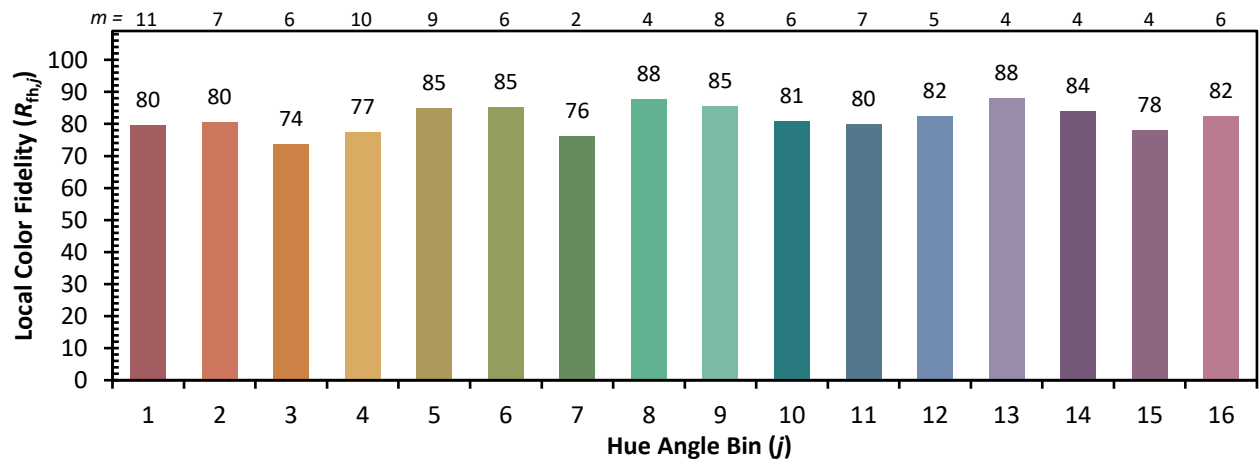
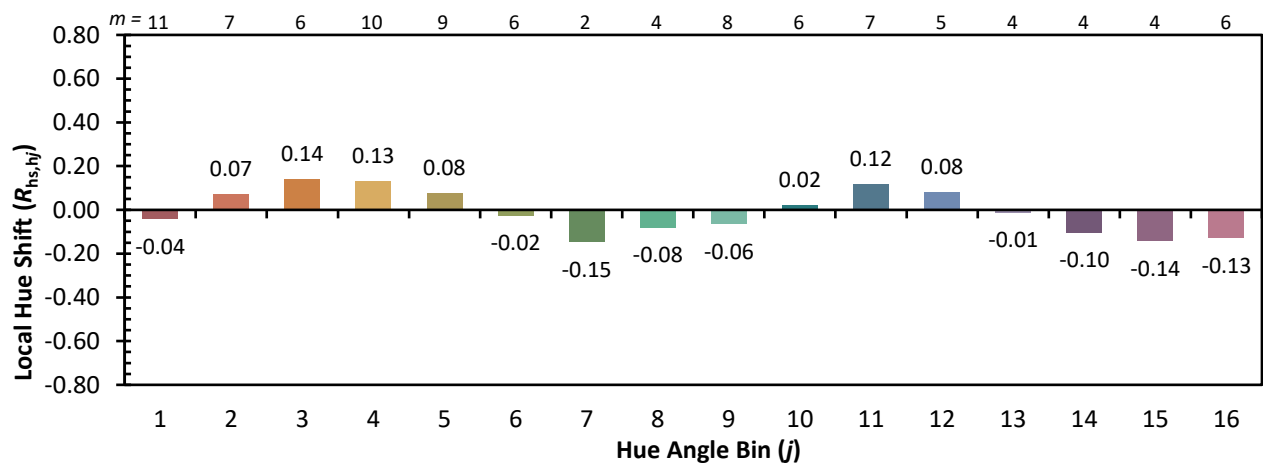
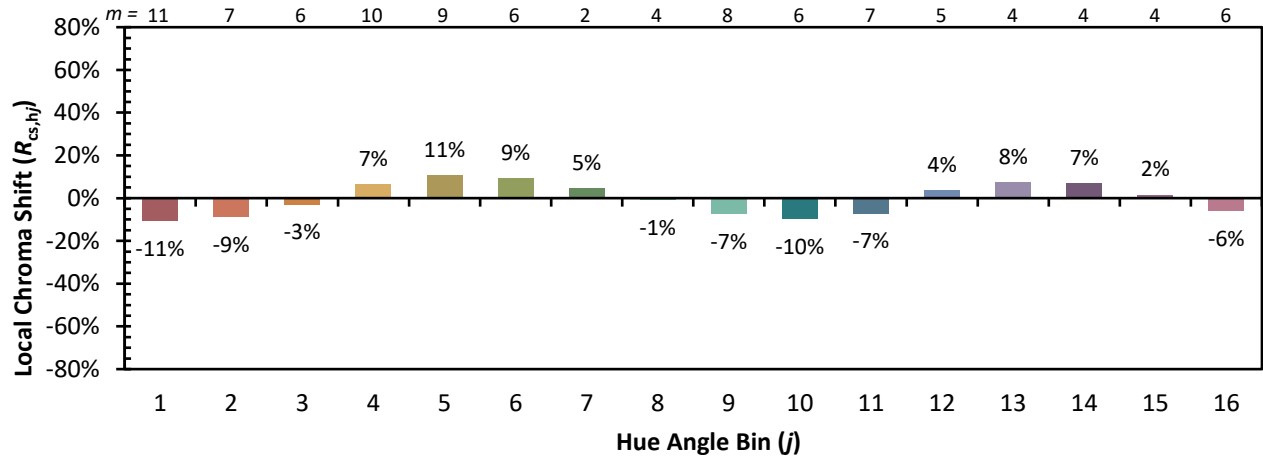


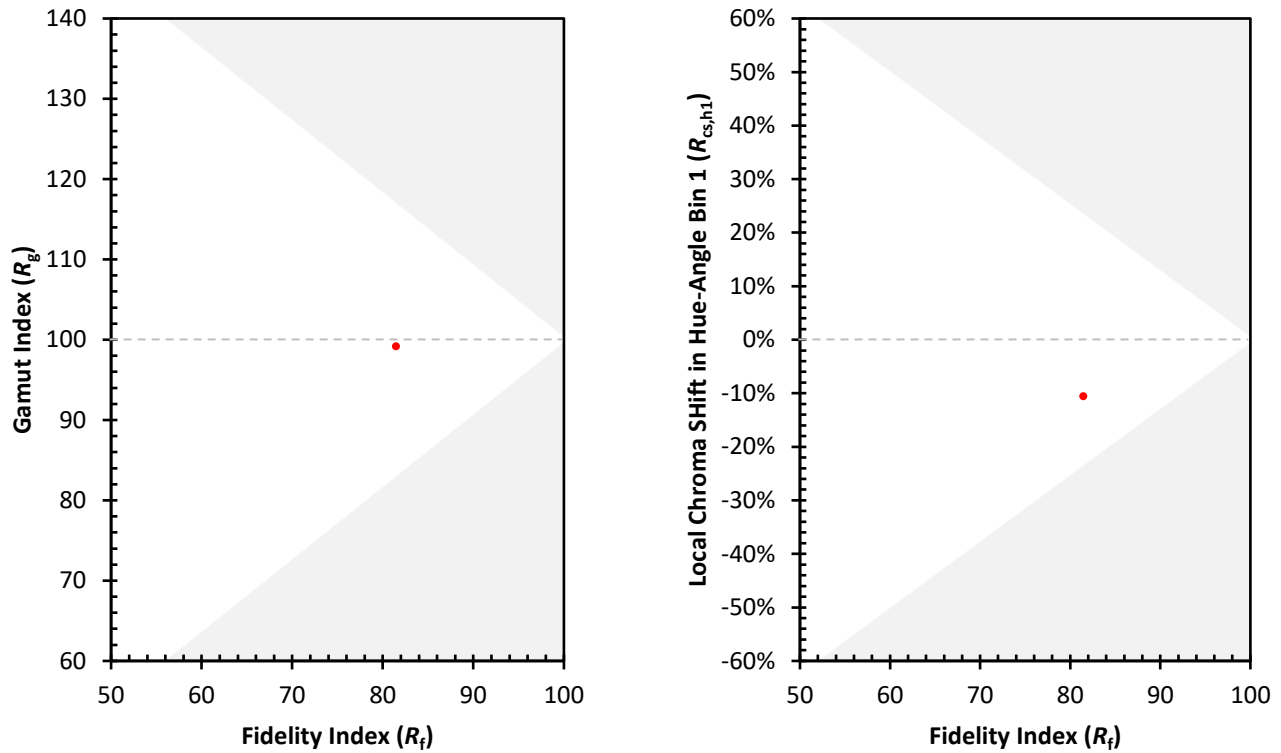
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 91	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82 = 95
CES08 = 41	CES33 = 71	CES58 = 78	CES83 = 90
CES09 = 29	CES34 = 82	CES59 = 92	CES84 = 93
CES10 = 76	CES35 = 90	CES60 = 95	CES85 = 86
CES11 = 59	CES36 = 93	CES61 = 93	CES86 = 72
CES12 = 65	CES37 = 87	CES62 = 83	CES87 = 85
CES13 = 43	CES38 = 75	CES63 = 77	CES88 = 83
CES14 = 74	CES39 = 94	CES64 = 83	CES89 = 75
CES15 = 71	CES40 = 89	CES65 = 77	CES90 = 81
CES16 = 47	CES41 = 85	CES66 = 80	CES91 = 96
CES17 = 50	CES42 = 86	CES67 = 79	CES92 = 73
CES18 = 56	CES43 = 81	CES68 = 84	CES93 = 84
CES19 = 72	CES44 = 99	CES69 = 90	CES94 = 64
CES20 = 66	CES45 = 87	CES70 = 77	CES95 = 80
CES21 = 87	CES46 = 82	CES71 = 76	CES96 = 84
CES22 = 79	CES47 = 77	CES72 = 92	CES97 = 87
CES23 = 92	CES48 = 71	CES73 = 71	CES98 = 81
CES24 = 91	CES49 = 81	CES74 = 93	CES99 = 74
CES25 = 72	CES50 = 89	CES75 = 74	



Color Rendition by Hue-Angle Bin



Measure Comparisons


(END OF REPORT)