

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: P1049331

Luminaire Tested: **GALN-SA4C-930-U-RBC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1049331
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA4C-930-U-RBC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 1050mA 4xLight Square PACKAGE
90CRI 3000K FIXTURE w/ RIGHT CORNER BACKLIGHT CONTROL
Light Source: (56) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14170.3 lumens
Efficiency: N/A
Efficacy: 74.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G3

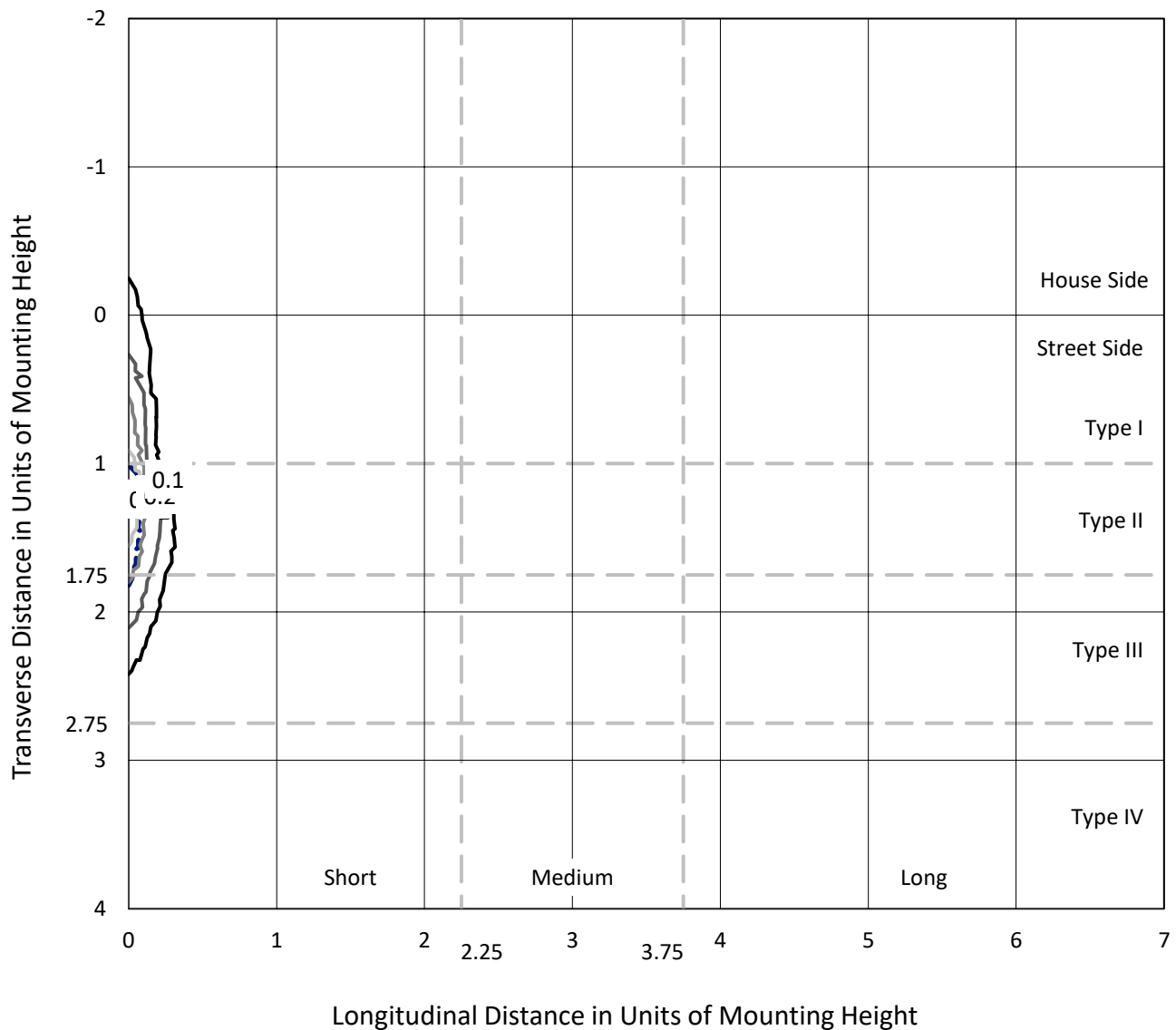
Input Watts (W): 190.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

REPORT NUMBER: P1049331

CATALOG NUMBER: GALN-SA4C-930-U-RBC

Iso-Footcandle Lines of Horizontal Illumination

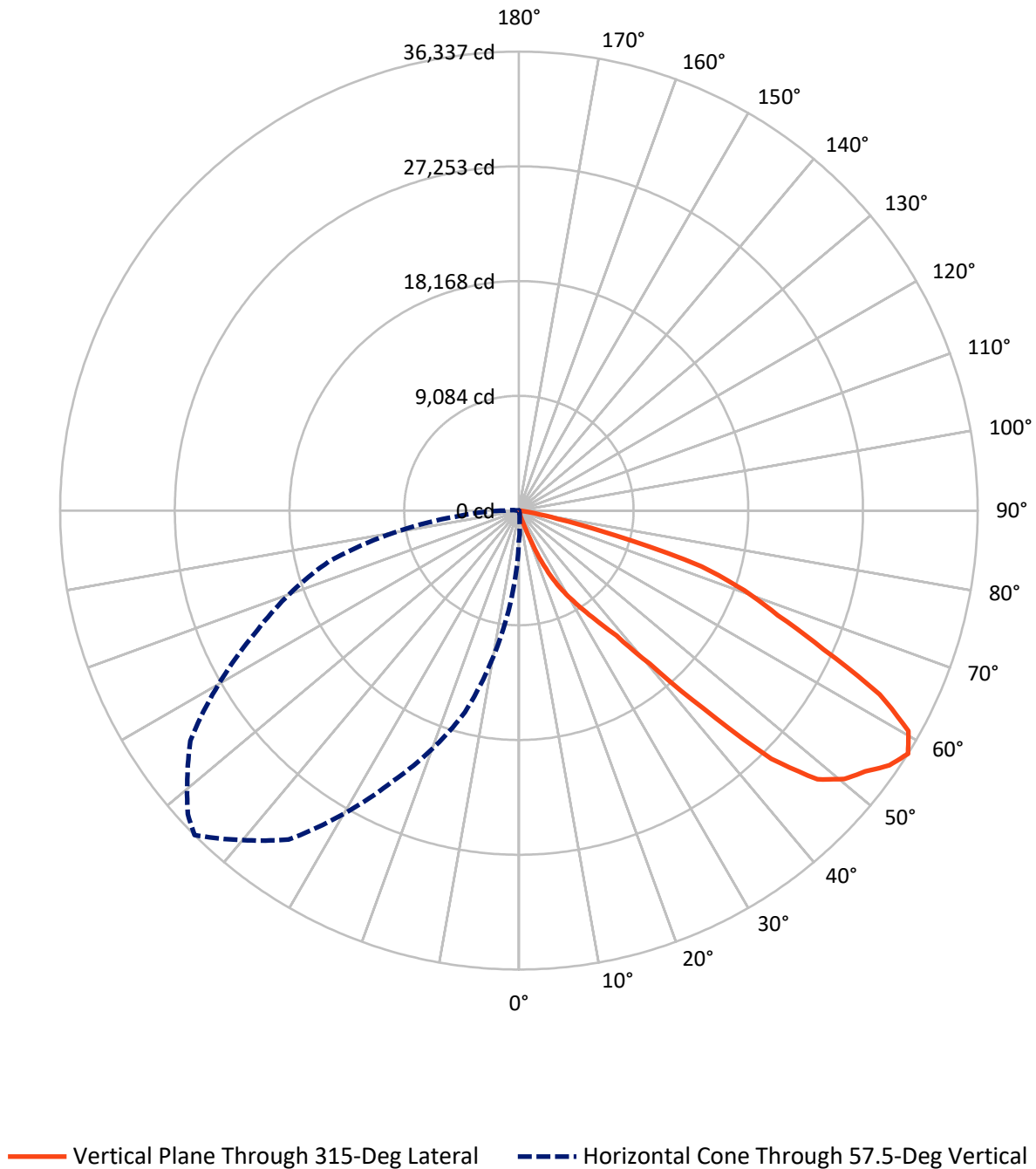
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 2.1 fc
 Type III - Short - N/A

REPORT NUMBER: P1049331
CATALOG NUMBER: GALN-SA4C-930-U-RBC

Luminous Intensity Polar Plot



REPORT NUMBER: P1049331

CATALOG NUMBER: GALN-SA4C-930-U-RBC

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	71.0	0.0	71.0
	% Fixture	0.5	0.0	0.5
Street Side	Lumens	14099.4	0.0	14099.4
	% Fixture	99.5	0.0	99.5
Total	Lumens	14170.3	0.0	14170.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.6	0.0
10°-20°	31.1	0.2
20°-30°	335.8	2.4
30°-40°	993.1	7.0
40°-50°	2959.6	20.9
50°-60°	4692.9	33.1
60°-70°	3917.4	27.6
70°-80°	1208.0	8.5
80°-90°	26.9	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°	14170.3	100.0
0°-180°	14170.3	100.0



REPORT NUMBER: P1049331

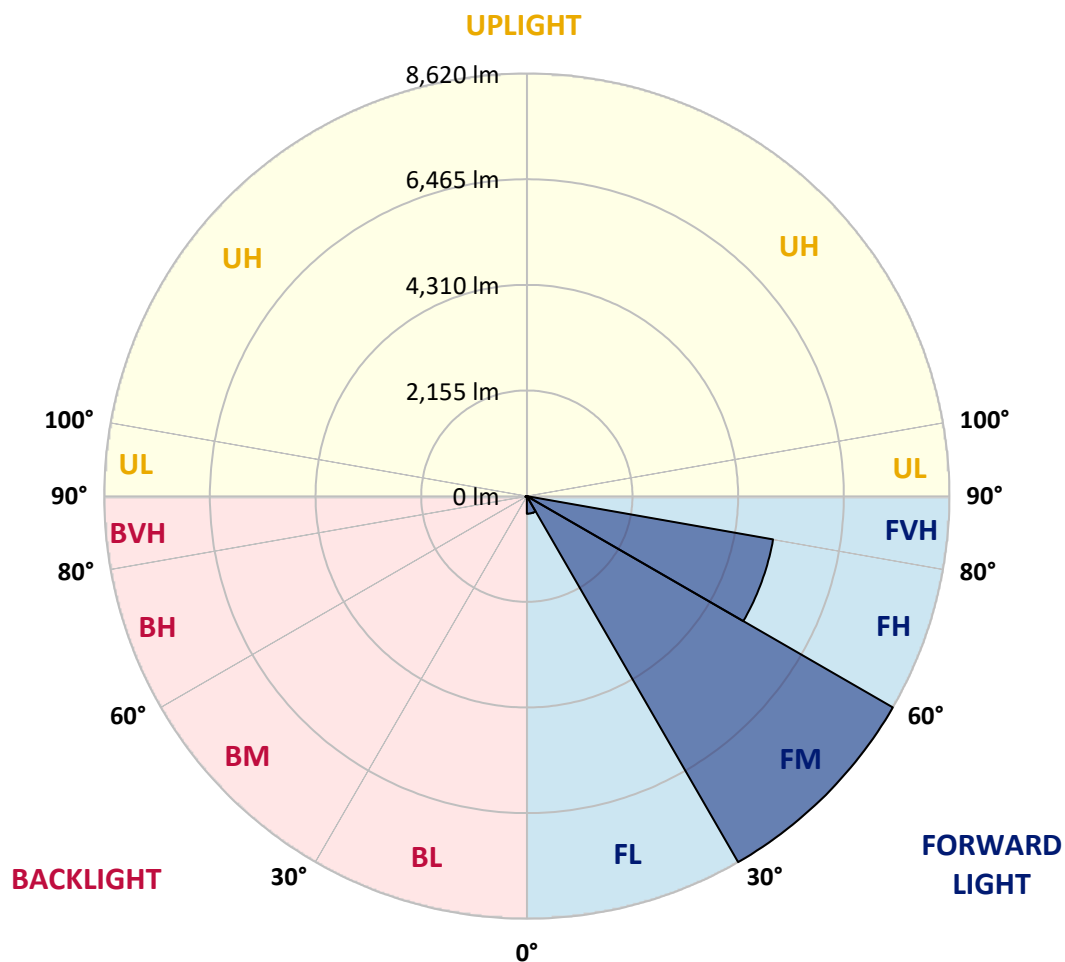
CATALOG NUMBER: GALN-SA4C-930-U-RBC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	359.5	2.5			
FM	(30°-60°)	8620.2	60.8			
FH	(60°-80°)	5098.9	36.0			G3/7500
FVH	(80°-90°)	20.8	0.1			G1/100
BL	(0°-30°)	13.0	0.1	B0/110		
BM	(30°-60°)	25.4	0.2	B0/220		
BH	(60°-80°)	26.5	0.2	B0/110		G0/110
BVH	(80°-90°)	6.1	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G3

Type III Short



REPORT NUMBER: P1049331

CATALOG NUMBER: GALN-SA4C-930-U-RBC

CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°
0°	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
2.5°	56.8	56.8	56.8	56.8	55.7	55.7	54.6	54.6	53.5	53.5
5°	60.0	60.0	58.9	57.8	57.8	56.8	55.7	54.6	54.6	53.5
7.5°	65.3	64.3	63.2	62.1	60.0	58.9	56.8	55.7	54.6	52.5
10°	71.7	69.6	67.5	65.3	63.2	61.0	58.9	57.8	55.7	54.6
12.5°	80.3	77.1	72.8	69.6	67.5	64.3	62.1	60.0	56.8	54.6
15°	87.8	83.5	78.2	73.9	70.7	66.4	63.2	60.0	57.8	54.6
17.5°	98.5	91.0	82.5	77.1	72.8	67.5	62.1	58.9	55.7	51.4
20°	116.7	101.7	85.7	79.2	72.8	66.4	60.0	55.7	52.5	48.2
22.5°	145.6	119.9	94.2	84.6	76.0	66.4	57.8	53.5	49.3	45.0
25°	201.3	155.3	109.2	96.4	83.5	70.7	57.8	52.5	48.2	42.8
27.5°	267.7	199.2	129.6	111.4	94.2	76.0	57.8	51.4	46.0	39.6
30°	335.2	244.2	152.1	128.5	104.9	81.4	57.8	50.3	43.9	36.4
32.5°	399.4	285.9	171.3	143.5	115.7	86.7	58.9	50.3	41.8	33.2
35°	464.7	320.2	174.5	145.6	116.7	86.7	57.8	48.2	39.6	30.0
37.5°	548.3	358.7	168.1	139.2	111.4	82.5	54.6	46.0	37.5	27.8
40°	674.6	423.0	171.3	141.4	111.4	81.4	51.4	42.8	35.3	26.8
42.5°	908.1	547.2	185.3	151.0	116.7	81.4	47.1	39.6	33.2	25.7
45°	1569.9	909.1	248.4	197.0	145.6	94.2	42.8	36.4	31.1	24.6
47.5°	2596.8	1521.7	446.5	344.8	244.2	142.4	41.8	36.4	31.1	24.6
50°	3314.2	1938.2	562.2	432.6	303.0	173.5	43.9	37.5	32.1	25.7
52.5°	3308.9	1968.2	626.4	480.8	336.2	190.6	46.0	39.6	34.3	27.8
55°	2941.6	1790.4	638.2	490.4	343.7	196.0	49.3	42.8	36.4	30.0
57.5°	2458.6	1520.6	582.5	450.8	320.2	188.5	56.8	49.3	42.8	35.3
60°	1944.6	1199.3	454.0	358.7	264.5	169.2	75.0	65.3	56.8	47.1
62.5°	1342.8	869.5	396.2	318.0	240.9	162.8	85.7	76.0	67.5	57.8
65°	949.8	654.3	357.7	291.3	225.9	159.6	93.2	82.5	72.8	62.1
67.5°	710.0	520.4	329.8	273.1	216.3	159.6	102.8	90.0	78.2	65.3
70°	544.0	427.3	309.5	263.4	218.5	172.4	126.4	108.2	91.0	72.8
72.5°	443.3	365.2	285.9	252.7	219.5	186.3	153.1	129.6	106.0	81.4
75°	367.3	312.7	258.1	230.2	203.5	175.6	147.8	126.4	106.0	84.6
77.5°	244.2	222.7	200.2	184.2	168.1	151.0	134.9	116.7	99.6	81.4
80°	85.7	82.5	79.2	85.7	92.1	98.5	104.9	92.1	80.3	67.5
82.5°	12.9	11.8	10.7	11.8	12.9	13.9	15.0	16.1	17.1	18.2
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



REPORT NUMBER: P1049331

CATALOG NUMBER: GALN-SA4C-930-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049331

CATALOG NUMBER: GALN-SA4C-930-U-RBC

CANDELA DISTRIBUTION (continued):

25°		27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°
0.0	0°	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
0.0	2.5°	52.5	52.5	51.4	51.4	51.4	50.3	50.3	49.3	49.3	49.3
0.0	5°	51.4	51.4	50.3	49.3	48.2	48.2	47.1	46.0	46.0	45.0
0.0	7.5°	50.3	49.3	48.2	47.1	46.0	45.0	43.9	42.8	42.8	41.8
0.0	10°	51.4	49.3	48.2	46.0	45.0	43.9	41.8	40.7	39.6	39.6
0.0	12.5°	49.3	48.2	46.0	43.9	42.8	40.7	39.6	37.5	36.4	36.4
0.0	15°	49.3	47.1	43.9	41.8	39.6	38.6	36.4	34.3	33.2	32.1
0.0	17.5°	46.0	43.9	40.7	38.6	36.4	34.3	32.1	30.0	28.9	27.8
0.0	20°	41.8	39.6	36.4	33.2	31.1	28.9	26.8	24.6	23.6	22.5
0.0	22.5°	37.5	35.3	32.1	28.9	26.8	24.6	21.4	19.3	18.2	16.1
0.0	25°	35.3	32.1	28.9	25.7	22.5	20.3	17.1	13.9	11.8	9.6
0.0	27.5°	30.0	26.8	23.6	20.3	17.1	13.9	10.7	7.5	5.4	4.3
0.0	30°	25.7	22.5	19.3	16.1	11.8	8.6	5.4	1.1	1.1	1.1
0.0	32.5°	21.4	18.2	13.9	10.7	8.6	5.4	3.2	0.0	0.0	0.0
0.0	35°	17.1	13.9	9.6	6.4	5.4	3.2	2.1	0.0	0.0	0.0
0.0	37.5°	15.0	11.8	7.5	3.2	2.1	2.1	1.1	0.0	0.0	0.0
0.0	40°	13.9	9.6	5.4	1.1	1.1	1.1	0.0	0.0	0.0	0.0
0.0	42.5°	13.9	9.6	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	13.9	9.6	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	13.9	9.6	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	15.0	10.7	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	17.1	12.9	8.6	4.3	3.2	2.1	1.1	0.0	0.0	0.0
0.0	55°	21.4	19.3	16.1	13.9	10.7	7.5	3.2	0.0	0.0	0.0
0.0	57.5°	27.8	27.8	26.8	25.7	19.3	12.9	6.4	0.0	0.0	0.0
0.0	60°	37.5	37.5	37.5	37.5	27.8	19.3	9.6	0.0	0.0	0.0
0.0	62.5°	46.0	43.9	40.7	38.6	28.9	19.3	9.6	0.0	0.0	0.0
0.0	65°	46.0	41.8	36.4	31.1	23.6	16.1	7.5	0.0	0.0	0.0
0.0	67.5°	42.8	34.3	24.6	16.1	11.8	8.6	4.3	0.0	0.0	0.0
	70°	42.8	30.0	17.1	4.3	3.2	2.1	1.1	0.0	0.0	0.0
	72.5°	42.8	28.9	13.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	75°	47.1	32.1	16.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	77.5°	47.1	32.1	16.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	80°	41.8	27.8	13.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	82.5°	13.9	9.6	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CATALOG NUMBER: GALN-SA4C-930-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049331

CATALOG NUMBER: GALN-SA4C-930-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°	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
0.0	2.5°	48.2	48.2	48.2	47.1	47.1	47.1	47.1	46.0	46.0	46.0
0.0	5°	43.9	43.9	42.8	42.8	41.8	41.8	40.7	40.7	39.6	39.6
0.0	7.5°	40.7	39.6	39.6	38.6	37.5	37.5	36.4	36.4	35.3	34.3
0.0	10°	37.5	36.4	36.4	35.3	34.3	33.2	33.2	32.1	31.1	30.0
0.0	12.5°	34.3	33.2	32.1	31.1	30.0	28.9	28.9	27.8	26.8	25.7
0.0	15°	30.0	28.9	27.8	26.8	25.7	24.6	24.6	23.6	22.5	21.4
0.0	17.5°	25.7	24.6	24.6	23.6	22.5	21.4	20.3	18.2	17.1	16.1
0.0	20°	19.3	18.2	17.1	16.1	15.0	12.9	11.8	9.6	7.5	6.4
0.0	22.5°	12.9	10.7	9.6	7.5	5.4	4.3	3.2	1.1	0.0	0.0
0.0	25°	4.3	3.2	2.1	1.1	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-SA4C-930-U-RBC

[illegible]

REPORT NUMBER: P1049331

CATALOG NUMBER: GALN-SA4C-930-U-RBC

CANDELA DISTRIBUTION (continued):

80°		82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°
0.0	0°	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
0.0	2.5°	45.0	45.0	45.0	43.9	43.9	43.9	43.9	43.9	43.9	43.9
0.0	5°	38.6	38.6	38.6	37.5	37.5	36.4	36.4	36.4	35.3	35.3
0.0	7.5°	33.2	32.1	32.1	31.1	31.1	30.0	30.0	30.0	28.9	28.9
0.0	10°	27.8	26.8	26.8	25.7	25.7	24.6	24.6	23.6	23.6	22.5
0.0	12.5°	24.6	23.6	22.5	21.4	21.4	20.3	19.3	19.3	18.2	17.1
0.0	15°	19.3	18.2	17.1	16.1	15.0	13.9	12.9	12.9	11.8	10.7
0.0	17.5°	12.9	10.7	9.6	8.6	8.6	7.5	6.4	5.4	4.3	3.2
0.0	20°	3.2	2.1	1.1	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: P1049331

CATALOG NUMBER: GALN-SA4C-930-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049331

CATALOG NUMBER: GALN-SA4C-930-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°	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
0.0	2.5°	43.9	42.8	42.8	42.8	43.9	43.9	43.9	43.9	43.9	43.9
0.0	5°	35.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3
0.0	7.5°	28.9	27.8	27.8	27.8	27.8	26.8	26.8	26.8	26.8	26.8
0.0	10°	22.5	21.4	21.4	21.4	21.4	20.3	20.3	20.3	20.3	20.3
0.0	12.5°	16.1	16.1	15.0	15.0	15.0	13.9	13.9	13.9	13.9	12.9
0.0	15°	9.6	8.6	7.5	7.5	7.5	6.4	6.4	6.4	6.4	5.4
0.0	17.5°	2.1	2.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0
0.0	20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	32.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CATALOG NUMBER: GALN-SA4C-930-U-RBC

[illegible]

REPORT NUMBER: P1049331

CATALOG NUMBER: GALN-SA4C-930-U-RBC

CANDELA DISTRIBUTION (continued):

135°		137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°
0.0	0°	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
0.0	2.5°	45.0	45.0	46.0	46.0	47.1	49.3	50.3	51.4	53.5	55.7
0.0	5°	35.3	36.4	36.4	37.5	38.6	39.6	40.7	41.8	43.9	46.0
0.0	7.5°	27.8	27.8	28.9	28.9	30.0	32.1	33.2	34.3	36.4	39.6
0.0	10°	21.4	21.4	22.5	22.5	23.6	25.7	26.8	27.8	30.0	33.2
0.0	12.5°	13.9	15.0	15.0	16.1	17.1	19.3	20.3	21.4	23.6	25.7
0.0	15°	6.4	7.5	7.5	8.6	9.6	11.8	12.9	13.9	16.1	19.3
0.0	17.5°	1.1	1.1	2.1	2.1	3.2	4.3	5.4	6.4	9.6	11.8
0.0	20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	4.3
0.0	22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
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: P1049331

CATALOG NUMBER: GALN-SA4C-930-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049331

CATALOG NUMBER: GALN-SA4C-930-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°	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
0.0	2.5°	58.9	61.0	63.2	65.3	67.5	69.6	70.7	72.8	73.9	75.0
0.0	5°	50.3	52.5	55.7	57.8	60.0	62.1	64.3	65.3	66.4	67.5
0.0	7.5°	43.9	46.0	49.3	51.4	53.5	55.7	57.8	60.0	61.0	62.1
0.0	10°	37.5	40.7	42.8	46.0	48.2	50.3	52.5	54.6	56.8	57.8
0.0	12.5°	30.0	33.2	36.4	38.6	41.8	45.0	47.1	49.3	51.4	53.5
0.0	15°	23.6	26.8	30.0	32.1	35.3	38.6	41.8	43.9	46.0	48.2
0.0	17.5°	17.1	20.3	23.6	25.7	28.9	32.1	34.3	37.5	39.6	41.8
0.0	20°	8.6	11.8	15.0	18.2	21.4	24.6	26.8	30.0	32.1	34.3
0.0	22.5°	1.1	4.3	7.5	9.6	12.9	16.1	18.2	21.4	23.6	25.7
0.0	25°	0.0	1.1	3.2	4.3	5.4	7.5	9.6	11.8	13.9	16.1
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	1.1	2.1	4.3	6.4	8.6
0.0	30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1
0.0	32.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
	82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	2.1
	85°	0.0	0.0	0.0	0.0	0.0	2.1	3.2	5.4	6.4	7.5
	87.5°	0.0	1.1	2.1	3.2	4.3	6.4	8.6	10.7	11.8	12.9
	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: P1049331

CATALOG NUMBER: GALN-SA4C-930-U-RBC

CANDELA DISTRIBUTION (continued):

190°		165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°
62.1	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75.0	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
68.5	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
63.2	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60.0	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
54.6	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50.3	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45.0	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36.4	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27.8	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19.3	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.7	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.2	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0											
0.0											
0.0											
0.0											
1.1											
4.3											
9.6											
13.9											
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: P1049331

CATALOG NUMBER: GALN-SA4C-930-U-RBC

CANDELA DISTRIBUTION (continued):

190°		192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°
0.0	0°	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
0.0	2.5°	76.0	76.0	76.0	76.0	75.0	75.0	75.0	73.9	73.9	72.8
0.0	5°	69.6	70.7	70.7	70.7	70.7	70.7	70.7	70.7	69.6	69.6
0.0	7.5°	64.3	65.3	66.4	66.4	67.5	67.5	67.5	66.4	66.4	65.3
0.0	10°	61.0	62.1	62.1	63.2	63.2	63.2	63.2	63.2	63.2	63.2
0.0	12.5°	56.8	57.8	58.9	58.9	60.0	60.0	60.0	60.0	58.9	58.9
0.0	15°	51.4	53.5	54.6	55.7	55.7	56.8	56.8	56.8	56.8	56.8
0.0	17.5°	47.1	49.3	50.3	51.4	51.4	52.5	52.5	53.5	53.5	53.5
0.0	20°	38.6	40.7	41.8	43.9	45.0	46.0	47.1	48.2	48.2	49.3
0.0	22.5°	30.0	32.1	33.2	35.3	36.4	37.5	38.6	39.6	40.7	41.8
0.0	25°	21.4	23.6	24.6	26.8	27.8	28.9	30.0	31.1	31.1	32.1
0.0	27.5°	11.8	13.9	16.1	17.1	19.3	20.3	21.4	22.5	23.6	24.6
0.0	30°	5.4	6.4	7.5	9.6	10.7	11.8	12.9	15.0	16.1	17.1
0.0	32.5°	0.0	0.0	1.1	3.2	4.3	5.4	6.4	7.5	7.5	8.6
0.0	35°	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.1	3.2	4.3
0.0	37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	80°	2.1	2.1	2.1	3.2	3.2	3.2	3.2	3.2	3.2	3.2
	82.5°	5.4	6.4	7.5	7.5	8.6	8.6	8.6	8.6	7.5	7.5
	85°	10.7	11.8	12.9	12.9	13.9	13.9	13.9	13.9	13.9	13.9
	87.5°	15.0	16.1	17.1	17.1	18.2	18.2	18.2	18.2	18.2	18.2
	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: P1049331

CATALOG NUMBER: GALN-SA4C-930-U-RBC

CANDELA DISTRIBUTION (continued):

217.5°		192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°
62.1	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.8	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
69.6	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65.3	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
63.2	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58.9	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
56.8	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
53.5	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48.2	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41.8	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33.2	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25.7	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18.2	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.7	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.4	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.1	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.1	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.1	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.1	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.1	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.1	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.1	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											
3.2											
7.5											
13.9											
18.2											
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: P1049331

CATALOG NUMBER: GALN-SA4C-930-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°	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
0.0	2.5°	71.7	71.7	70.7	70.7	70.7	70.7	70.7	71.7	72.8	72.8
0.0	5°	68.5	68.5	67.5	67.5	67.5	68.5	68.5	69.6	70.7	71.7
0.0	7.5°	65.3	64.3	64.3	65.3	65.3	66.4	66.4	67.5	68.5	69.6
0.0	10°	63.2	62.1	62.1	62.1	63.2	63.2	64.3	65.3	66.4	67.5
0.0	12.5°	58.9	58.9	58.9	58.9	60.0	60.0	61.0	62.1	64.3	65.3
0.0	15°	56.8	55.7	55.7	55.7	55.7	56.8	56.8	58.9	61.0	62.1
0.0	17.5°	52.5	52.5	51.4	51.4	52.5	52.5	53.5	55.7	57.8	58.9
0.0	20°	48.2	47.1	46.0	46.0	47.1	47.1	48.2	50.3	52.5	53.5
0.0	22.5°	41.8	40.7	40.7	40.7	40.7	41.8	41.8	43.9	47.1	49.3
0.0	25°	33.2	34.3	34.3	35.3	35.3	36.4	37.5	39.6	42.8	45.0
0.0	27.5°	25.7	26.8	26.8	28.9	30.0	31.1	32.1	35.3	38.6	40.7
0.0	30°	19.3	20.3	21.4	22.5	24.6	26.8	28.9	32.1	35.3	37.5
0.0	32.5°	11.8	13.9	15.0	17.1	19.3	21.4	23.6	26.8	31.1	34.3
0.0	35°	8.6	9.6	11.8	12.9	15.0	17.1	19.3	23.6	26.8	31.1
0.0	37.5°	4.3	6.4	8.6	10.7	12.9	15.0	17.1	21.4	25.7	28.9
0.0	40°	3.2	5.4	6.4	8.6	11.8	13.9	16.1	20.3	24.6	28.9
0.0	42.5°	2.1	3.2	4.3	7.5	9.6	12.9	16.1	20.3	24.6	28.9
0.0	45°	2.1	2.1	3.2	6.4	9.6	13.9	17.1	21.4	24.6	28.9
0.0	47.5°	2.1	3.2	4.3	8.6	10.7	13.9	17.1	20.3	24.6	27.8
0.0	50°	3.2	4.3	5.4	9.6	11.8	15.0	17.1	21.4	24.6	28.9
0.0	52.5°	2.1	3.2	4.3	8.6	11.8	16.1	19.3	23.6	27.8	31.1
0.0	55°	1.1	1.1	1.1	6.4	12.9	18.2	24.6	27.8	32.1	35.3
0.0	57.5°	0.0	0.0	0.0	4.3	12.9	20.3	27.8	32.1	36.4	39.6
0.0	60°	0.0	0.0	0.0	4.3	12.9	20.3	27.8	33.2	38.6	43.9
0.0	62.5°	0.0	0.0	0.0	4.3	10.7	17.1	23.6	32.1	41.8	50.3
0.0	65°	0.0	0.0	0.0	3.2	8.6	13.9	19.3	32.1	45.0	56.8
0.0	67.5°	0.0	0.0	0.0	3.2	8.6	12.9	18.2	32.1	45.0	58.9
	70°	0.0	0.0	0.0	3.2	8.6	13.9	19.3	32.1	45.0	57.8
	72.5°	0.0	0.0	0.0	3.2	9.6	15.0	21.4	32.1	42.8	53.5
	75°	0.0	0.0	0.0	4.3	9.6	16.1	22.5	32.1	41.8	50.3
	77.5°	0.0	0.0	0.0	3.2	9.6	15.0	21.4	31.1	40.7	49.3
	80°	3.2	2.1	2.1	5.4	9.6	13.9	18.2	27.8	38.6	48.2
	82.5°	6.4	6.4	5.4	7.5	9.6	12.9	16.1	24.6	34.3	42.8
	85°	12.9	12.9	11.8	12.9	12.9	13.9	15.0	19.3	23.6	27.8
	87.5°	17.1	17.1	16.1	16.1	16.1	15.0	15.0	15.0	15.0	13.9
	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: P1049331

CATALOG NUMBER: GALN-SA4C-930-U-RBC

CANDELA DISTRIBUTION (continued):

245°		220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°
62.1	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
73.9	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.8	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70.7	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
68.5	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66.4	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
64.3	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61.0	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55.7	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
51.4	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.1	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43.9	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40.7	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34.3	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33.2	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33.2	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33.2	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32.1	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31.1	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32.1	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35.3	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38.6	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43.9	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49.3	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58.9	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
69.6	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
71.7	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70.7											
64.3											
60.0											
58.9											
57.8											
51.4											
32.1											
13.9											
0.0											
0.0											
0.0											
0.0											
0.0											
0.0											
0.0											
0.0											
0.0											
0.0											
0.0											

REPORT NUMBER: P1049331

CATALOG NUMBER: GALN-SA4C-930-U-RBC

CANDELA DISTRIBUTION (continued):

245°		247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°
0.0	0°	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
0.0	2.5°	75.0	76.0	76.0	77.1	78.2	79.2	79.2	80.3	80.3	80.3
0.0	5°	73.9	76.0	77.1	78.2	79.2	80.3	81.4	82.5	83.5	83.5
0.0	7.5°	72.8	73.9	76.0	77.1	79.2	80.3	82.5	83.5	84.6	85.7
0.0	10°	70.7	72.8	75.0	77.1	79.2	81.4	83.5	85.7	87.8	88.9
0.0	12.5°	68.5	71.7	73.9	76.0	79.2	82.5	84.6	87.8	90.0	92.1
0.0	15°	67.5	69.6	72.8	75.0	79.2	83.5	86.7	91.0	95.3	98.5
0.0	17.5°	64.3	68.5	71.7	75.0	79.2	84.6	88.9	93.2	99.6	106.0
0.0	20°	60.0	63.2	67.5	70.7	77.1	82.5	88.9	94.2	103.9	113.5
0.0	22.5°	55.7	60.0	63.2	67.5	75.0	81.4	88.9	95.3	111.4	126.4
0.0	25°	51.4	56.8	61.0	65.3	73.9	82.5	91.0	99.6	126.4	153.1
0.0	27.5°	49.3	53.5	58.9	63.2	73.9	85.7	96.4	107.1	149.9	191.7
0.0	30°	46.0	51.4	55.7	61.0	75.0	88.9	102.8	116.7	182.0	247.4
0.0	32.5°	42.8	48.2	53.5	58.9	77.1	95.3	112.4	130.6	216.3	300.9
0.0	35°	39.6	46.0	51.4	56.8	80.3	104.9	128.5	152.1	247.4	341.6
0.0	37.5°	38.6	45.0	50.3	55.7	81.4	106.0	131.7	156.3	250.6	344.8
0.0	40°	39.6	45.0	51.4	56.8	78.2	99.6	119.9	141.4	239.9	337.3
0.0	42.5°	39.6	46.0	52.5	58.9	76.0	93.2	110.3	127.4	236.7	345.9
0.0	45°	38.6	45.0	51.4	57.8	73.9	88.9	104.9	119.9	255.9	390.9
0.0	47.5°	37.5	43.9	50.3	56.8	72.8	88.9	104.9	121.0	330.9	539.7
0.0	50°	37.5	43.9	49.3	54.6	73.9	94.2	113.5	132.8	481.9	829.9
0.0	52.5°	39.6	45.0	49.3	53.5	76.0	99.6	122.1	144.6	612.5	1079.4
0.0	55°	42.8	46.0	50.3	53.5	81.4	108.2	136.0	162.8	652.1	1141.5
0.0	57.5°	47.1	50.3	53.5	56.8	91.0	125.3	158.5	192.8	655.4	1116.9
0.0	60°	52.5	56.8	60.0	63.2	99.6	137.1	173.5	209.9	593.2	975.5
0.0	62.5°	64.3	69.6	73.9	79.2	114.6	148.8	184.2	218.5	492.6	766.7
0.0	65°	73.9	78.2	82.5	86.7	121.0	156.3	190.6	224.9	417.6	610.4
0.0	67.5°	76.0	80.3	83.5	87.8	123.1	158.5	192.8	228.1	357.7	486.2
	70°	77.1	82.5	88.9	94.2	130.6	167.1	202.4	238.8	317.0	395.1
	72.5°	73.9	84.6	94.2	103.9	138.1	171.3	205.6	238.8	294.5	350.2
	75°	73.9	88.9	102.8	116.7	142.4	167.1	192.8	217.4	260.2	303.0
	77.5°	78.2	97.4	116.7	136.0	151.0	164.9	179.9	193.8	221.7	249.5
	80°	78.2	98.5	117.8	138.1	144.6	152.1	158.5	164.9	168.1	171.3
	82.5°	67.5	83.5	99.6	115.7	108.2	100.7	93.2	85.7	80.3	73.9
	85°	34.3	37.5	39.6	41.8	38.6	35.3	32.1	28.9	26.8	23.6
	87.5°	13.9	13.9	12.9	12.9	12.9	12.9	11.8	11.8	11.8	11.8
	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: P1049331

CATALOG NUMBER: GALN-SA4C-930-U-RBC

CANDELA DISTRIBUTION (continued):

272.5°		247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°
62.1	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80.3	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
83.5	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
86.7	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
91.0	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95.3	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
103.9	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
114.6	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
131.7	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
168.1	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
228.1	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
317.0	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
429.4	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
536.5	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
609.3	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
663.9	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
718.5	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
825.6	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1039.8	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1584.8	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2427.6	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3056.2	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3125.8	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2820.6	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2411.5	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1884.7	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1424.2	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1051.6	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
744.2											
553.6											
402.6											
303.0											
170.3											
77.1											
22.5											
10.7											
0.0											
0.0											
0.0											
0.0											
0.0											
0.0											
0.0											
0.0											
0.0											
0.0											
0.0											

REPORT NUMBER: P1049331

CATALOG NUMBER: GALN-SA4C-930-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°	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
0.0	2.5°	80.3	79.2	79.2	78.2	77.1	76.0	75.0	73.9	72.8	71.7
0.0	5°	83.5	83.5	83.5	82.5	82.5	81.4	81.4	80.3	79.2	78.2
0.0	7.5°	86.7	87.8	87.8	88.9	88.9	88.9	88.9	87.8	87.8	87.8
0.0	10°	92.1	93.2	94.2	95.3	96.4	97.4	97.4	98.5	98.5	98.5
0.0	12.5°	98.5	101.7	103.9	107.1	109.2	112.4	114.6	117.8	119.9	122.1
0.0	15°	108.2	113.5	119.9	125.3	130.6	138.1	146.7	154.2	161.7	173.5
0.0	17.5°	122.1	139.2	156.3	172.4	189.5	227.0	264.5	300.9	338.4	393.0
0.0	20°	148.8	200.2	250.6	302.0	352.3	484.0	614.7	746.4	877.0	1017.3
0.0	22.5°	208.8	335.2	461.5	587.9	714.3	989.5	1263.6	1538.8	1812.9	2135.3
0.0	25°	303.0	535.4	767.8	999.1	1231.5	1661.9	2093.5	2524.0	2954.4	3373.1
0.0	27.5°	441.2	796.7	1152.2	1506.7	1862.2	2445.8	3030.5	3614.1	4197.7	4671.0
0.0	30°	611.4	1093.3	1575.2	2057.1	2539.0	3202.9	3866.8	4529.7	5193.6	5710.8
0.0	32.5°	772.1	1362.1	1952.1	2541.1	3131.1	3887.1	4644.2	5400.2	6156.3	6721.7
0.0	35°	877.0	1590.2	2304.4	3017.6	3730.8	4548.9	5367.0	6184.1	7002.2	7647.9
0.0	37.5°	982.0	1805.4	2627.8	3451.3	4273.7	5172.2	6070.6	6969.0	7867.5	8665.2
0.0	40°	1099.8	2065.7	3030.5	3996.4	4961.2	6025.6	7089.0	8153.4	9216.7	10342.2
0.0	42.5°	1304.3	2497.2	3691.2	4884.1	6077.0	7485.2	8893.3	10300.4	11708.6	13314.8
0.0	45°	1688.7	3369.9	5052.2	6733.4	8414.7	10280.1	12146.5	14011.9	15877.3	18014.7
0.0	47.5°	2630.0	4943.0	7254.9	9568.0	11879.9	13894.1	15907.3	17921.6	19934.8	22063.6
0.0	50°	4024.2	6716.3	9408.4	12099.4	14791.5	16614.1	18435.6	20258.2	22079.6	24104.6
0.0	52.5°	5032.9	7837.5	10643.1	13447.6	16252.1	17896.9	19542.8	21187.6	22832.4	24724.6
0.0	55°	5109.0	7897.4	10687.0	13475.4	16263.9	17916.2	19568.5	21220.8	22873.1	24878.8
0.0	57.5°	4523.2	7289.2	10054.1	12820.1	15585.0	17466.5	19346.9	21228.3	23108.7	25277.2
0.0	60°	3847.5	6614.6	9380.6	12147.6	14913.6	17081.0	19249.4	21416.8	23584.2	25615.6
0.0	62.5°	3001.6	5847.9	8695.2	11541.5	14387.8	16588.4	18789.0	20988.5	23189.0	24712.8
0.0	65°	2237.0	5000.8	7764.7	10527.4	13291.3	15053.9	16816.5	18578.0	20340.6	21284.0
0.0	67.5°	1617.0	4000.7	6383.3	8767.0	11149.6	12411.0	13672.5	14932.9	16194.3	16916.1
	70°	1093.3	2744.6	4394.7	6046.0	7696.1	8732.7	9770.3	10806.9	11843.5	12818.0
	72.5°	757.1	1684.4	2612.8	3540.2	4467.5	5510.5	6552.5	7595.5	8637.4	9668.6
	75°	502.2	924.1	1347.1	1769.0	2190.9	2963.0	3736.2	4508.2	5280.3	5895.0
	77.5°	356.6	482.9	610.4	736.7	863.1	1007.7	1153.3	1297.9	1442.4	1661.9
	80°	169.2	185.3	201.3	216.3	232.4	284.8	337.3	389.8	442.3	497.9
	82.5°	80.3	86.7	93.2	98.5	104.9	110.3	115.7	121.0	126.4	121.0
	85°	21.4	21.4	22.5	22.5	22.5	22.5	22.5	22.5	22.5	21.4
	87.5°	9.6	9.6	9.6	9.6	9.6	9.6	9.6	8.6	8.6	7.5
	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: P1049331

CATALOG NUMBER: GALN-SA4C-930-U-RBC

CANDELA DISTRIBUTION (continued):

300°		275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°
62.1	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70.7	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.1	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
86.7	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
99.6	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
123.1	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
186.3	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
446.5	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1158.6	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2457.6	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3791.8	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5144.3	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6229.1	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7288.1	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8293.7	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9464.1	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11467.6	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14921.1	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20152.1	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24192.4	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26129.6	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26616.8	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26885.6	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27445.6	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27645.9	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26237.7	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22228.5	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17638.9	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13791.3											
10699.8											
6509.6											
1881.5											
553.6											
114.6											
20.3											
7.5											
0.0											
0.0											
0.0											
0.0											
0.0											
0.0											
0.0											
0.0											
0.0											
0.0											
0.0											

REPORT NUMBER: P1049331

CATALOG NUMBER: GALN-SA4C-930-U-RBC

CANDELA DISTRIBUTION (continued):

300°		302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°
0.0	0°	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
0.0	2.5°	69.6	68.5	67.5	66.4	65.3	63.2	63.2	62.1	62.1
0.0	5°	76.0	75.0	73.9	72.8	72.8	71.7	70.7	70.7	69.6
0.0	7.5°	86.7	85.7	84.6	83.5	83.5	82.5	82.5	81.4	81.4
0.0	10°	99.6	99.6	99.6	99.6	99.6	98.5	98.5	98.5	97.4
0.0	12.5°	125.3	126.4	128.5	130.6	133.9	133.9	133.9	132.8	132.8
0.0	15°	198.1	209.9	218.5	227.0	234.5	251.6	249.5	246.3	244.2
0.0	17.5°	501.2	554.7	583.6	611.4	640.4	719.6	706.8	693.9	682.1
0.0	20°	1298.9	1439.2	1532.4	1625.5	1719.8	1868.6	1832.2	1795.8	1759.4
0.0	22.5°	2778.8	3101.2	3241.4	3381.7	3520.9	3700.8	3584.1	3467.4	3351.7
0.0	25°	4209.5	4628.2	4864.8	5101.5	5337.1	5439.9	5287.8	5134.7	4982.6
0.0	27.5°	5617.6	6090.9	6299.8	6507.5	6716.3	6931.5	6743.1	6553.5	6365.1
0.0	30°	6746.3	7263.5	7489.5	7714.3	7940.3	8090.2	7895.3	7699.3	7504.4
0.0	32.5°	7853.5	8418.9	8666.3	8913.7	9160.0	9375.2	9135.3	8894.4	8654.5
0.0	35°	8938.3	9584.0	9924.5	10265.1	10605.6	10805.8	10521.0	10235.1	9950.2
0.0	37.5°	10261.9	11059.6	11440.9	11822.1	12203.3	12568.4	12254.7	11939.9	11626.1
0.0	40°	12593.1	13718.5	14303.2	14889.0	15473.6	15944.8	15548.6	15152.4	14756.2
0.0	42.5°	16527.3	18133.6	18974.2	19813.8	20654.4	21390.0	20973.5	20556.9	20140.4
0.0	45°	22289.5	24426.9	25451.7	26475.4	27500.2	28037.8	27438.1	26837.4	26237.7
0.0	47.5°	26320.2	28449.0	29361.4	30273.7	31186.1	31799.7	31066.1	30332.6	29600.2
0.0	50°	28153.5	30178.4	31094.0	32008.5	32924.0	33411.3	32564.2	31716.1	30869.1
0.0	52.5°	28507.9	30400.1	31492.3	32585.7	33677.9	34329.0	33328.8	32327.6	31327.4
0.0	55°	28891.3	30896.9	32163.7	33431.6	34698.4	35600.1	34469.3	33337.4	32206.6
0.0	57.5°	29613.0	31781.5	33045.0	34307.6	35571.2	36336.8	35202.8	34067.7	32933.7
0.0	60°	29677.3	31707.6	32793.4	33880.3	34966.1	35448.0	34363.3	33277.4	32192.7
0.0	62.5°	27761.5	29285.3	30039.2	30793.1	31546.9	32070.6	30938.7	29805.8	28673.9
0.0	65°	23171.9	24115.3	24716.1	25316.8	25917.5	26541.8	25505.3	24468.7	23432.1
0.0	67.5°	18360.6	19082.4	19873.7	20665.1	21456.4	22123.6	21293.7	20462.7	19632.8
	70°	14765.8	15739.2	16629.1	17518.9	18408.8	18954.9	18121.8	17287.6	16454.5
	72.5°	11731.1	12762.3	13505.4	14247.5	14990.7	15124.5	14512.0	13899.5	13288.1
	75°	7123.2	7737.9	7752.9	7766.8	7781.8	7909.2	7401.6	6894.1	6387.6
	77.5°	2101.0	2320.5	2501.5	2681.4	2862.4	3080.8	2894.5	2707.1	2520.8
	80°	608.2	663.9	711.0	757.1	804.2	776.4	732.5	688.6	644.6
	82.5°	109.2	102.8	101.7	100.7	100.7	95.3	86.7	78.2	69.6
	85°	19.3	18.2	17.1	16.1	15.0	13.9	11.8	10.7	8.6
	87.5°	6.4	5.4	4.3	3.2	3.2	1.1	1.1	1.1	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: P1049331

CATALOG NUMBER: GALN-SA4C-930-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049331

CATALOG NUMBER: GALN-SA4C-930-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°	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
0.0	0.0	2.5°	61.0	60.0	60.0	60.0	60.0	58.9	58.9	58.9	58.9
0.0	0.0	5°	67.5	67.5	66.4	66.4	65.3	65.3	64.3	64.3	63.2
0.0	0.0	7.5°	79.2	78.2	77.1	76.0	75.0	72.8	71.7	70.7	70.7
0.0	0.0	10°	95.3	93.2	92.1	90.0	88.9	86.7	84.6	82.5	80.3
0.0	0.0	12.5°	125.3	121.0	117.8	113.5	109.2	106.0	101.7	98.5	94.2
0.0	0.0	15°	217.4	206.7	194.9	181.0	166.0	152.1	137.1	128.5	118.9
0.0	0.0	17.5°	555.8	500.1	443.3	397.3	351.2	306.3	260.2	227.0	193.8
0.0	0.0	20°	1414.6	1260.4	1106.2	954.1	801.0	648.9	495.8	418.7	341.6
0.0	0.0	22.5°	2662.1	2376.2	2089.2	1811.9	1533.4	1256.1	978.7	804.2	630.7
0.0	0.0	25°	4108.8	3749.0	3389.2	2933.0	2475.8	2019.6	1563.4	1279.7	995.9
0.0	0.0	27.5°	5346.7	4932.3	4517.9	3963.2	3408.5	2853.8	2299.1	1876.1	1454.2
0.0	0.0	30°	6418.6	5973.1	5527.7	4882.0	4236.2	3590.5	2944.8	2415.8	1886.8
0.0	0.0	32.5°	7348.1	6814.8	6281.5	5615.5	4949.4	4283.4	3617.3	2968.4	2319.4
0.0	0.0	35°	8420.0	7797.9	7174.6	6435.7	5695.8	4956.9	4218.0	3485.6	2752.1
0.0	0.0	37.5°	9782.1	9018.6	8254.0	7430.6	6607.1	5784.7	4961.2	4123.8	3286.4
0.0	0.0	40°	12389.6	11404.4	10419.3	9373.1	8325.8	7279.6	6233.4	5205.4	4177.3
0.0	0.0	42.5°	17061.7	15730.6	14399.6	13007.5	11614.3	10222.2	8829.1	7379.2	5928.2
0.0	0.0	45°	22334.5	20683.3	19031.0	17468.6	15905.2	14342.8	12780.5	10790.9	8801.2
0.0	0.0	47.5°	25299.7	23516.7	21733.8	20254.9	18776.1	17297.3	15818.4	13673.6	11528.7
0.0	0.0	50°	26390.9	24575.8	22760.7	21399.7	20037.6	18676.5	17314.4	15166.3	13017.1
0.0	0.0	52.5°	26623.2	24771.7	22920.3	21550.7	20181.0	18812.5	17442.9	15308.7	13174.5
0.0	0.0	55°	27100.8	25114.4	23126.9	21565.6	20004.4	18443.1	16881.8	14713.3	12544.9
0.0	0.0	57.5°	27725.1	25688.4	23651.6	21873.0	20094.3	18316.7	16538.1	14167.2	11796.4
0.0	0.0	60°	27561.3	25789.0	24015.7	22110.7	20204.6	18299.6	16393.5	13786.0	11177.4
0.0	0.0	62.5°	24717.1	23305.8	21893.3	20326.7	18759.0	17192.3	15625.7	12941.1	10256.5
0.0	0.0	65°	20334.2	19304.0	18273.9	17013.5	15752.1	14491.7	13231.3	10824.1	8417.9
0.0	0.0	67.5°	16480.2	15319.4	14157.6	13153.1	12147.6	11143.2	10137.6	8243.3	6349.0
		70°	13093.2	11830.6	10567.0	9586.2	8604.2	7623.3	6642.4	5383.1	4124.9
		72.5°	10397.9	9259.6	8121.3	7075.0	6027.8	4981.5	3934.3	3190.0	2445.8
		75°	4969.8	4514.7	4059.6	3512.4	2965.2	2418.0	1870.8	1546.3	1222.9
		77.5°	1841.8	1596.6	1350.3	1127.6	904.9	683.2	460.5	421.9	383.4
		80°	476.5	415.5	353.4	309.5	264.5	220.6	176.7	159.6	143.5
		82.5°	54.6	50.3	47.1	45.0	41.8	39.6	36.4	33.2	30.0
		85°	3.2	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1049331

CATALOG NUMBER: GALN-SA4C-930-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049331

CATALOG NUMBER: GALN-SA4C-930-U-RBC

CANDELA DISTRIBUTION (continued):

352.5°	355°		357.5°	360°
0.0	0.0	0°	62.1	62.1
0.0	0.0	2.5°	57.8	56.8
0.0	0.0	5°	61.0	60.0
0.0	0.0	7.5°	67.5	65.3
0.0	0.0	10°	73.9	71.7
0.0	0.0	12.5°	83.5	80.3
0.0	0.0	15°	94.2	87.8
0.0	0.0	17.5°	112.4	98.5
0.0	0.0	20°	152.1	116.7
0.0	0.0	22.5°	214.2	145.6
0.0	0.0	25°	314.8	201.3
0.0	0.0	27.5°	438.0	267.7
0.0	0.0	30°	582.5	335.2
0.0	0.0	32.5°	710.0	399.4
0.0	0.0	35°	875.9	464.7
0.0	0.0	37.5°	1080.5	548.3
0.0	0.0	40°	1397.4	674.6
0.0	0.0	42.5°	1968.2	908.1
0.0	0.0	45°	3196.5	1569.9
0.0	0.0	47.5°	4918.4	2596.8
0.0	0.0	50°	6017.0	3314.2
0.0	0.0	52.5°	6107.0	3308.9
0.0	0.0	55°	5574.8	2941.6
0.0	0.0	57.5°	4756.7	2458.6
0.0	0.0	60°	3953.5	1944.6
0.0	0.0	62.5°	3115.1	1342.8
0.0	0.0	65°	2276.6	949.8
0.0	0.0	67.5°	1635.2	710.0
		70°	1075.1	544.0
		72.5°	700.3	443.3
		75°	471.2	367.3
		77.5°	275.2	244.2
		80°	97.4	85.7
		82.5°	18.2	12.9
		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: P1049331

CATALOG NUMBER: GALN-SA4C-930-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: SP1-2407-184-14

Test Date: 10/11/2024

Luminaire Tested: GSS-SB1A-930-U-5WQ

Data in this report applies to families of products including GSS-SB1A-930-U-5WQ

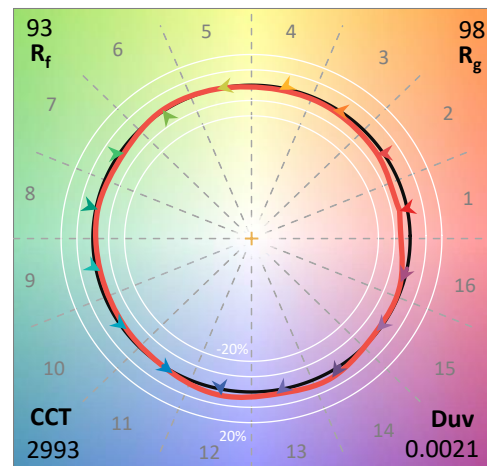
Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-14
 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-930-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 90 CRI
 3000K CCT 26 LEDS

Spectral Parameters

CCT (K): 2993
 CIE u' : 0.2501
 CIE v' : 0.5245
 Duv: 0.0021
 CIE x: 0.4406
 CIE y: 0.4107
 CIE z: 0.1487
 Peak Wavelength (nm): 621
 Dominant Wavelength (nm): 582
 Purity: 55.53327
 R_f: 92.6
 R_g: 98.5

CRI (Ra): 92.4
 R1: 92.2
 R2: 95.2
 R3: 97.0
 R4: 93.1
 R5: 91.7
 R6: 94.2
 R7: 93.3
 R8: 82.3
 R9: 58.2
 R10: 87.7
 R11: 93.5
 R12: 81.7
 R13: 92.9
 R14: 97.6
 R15: 88.1



Test Conditions

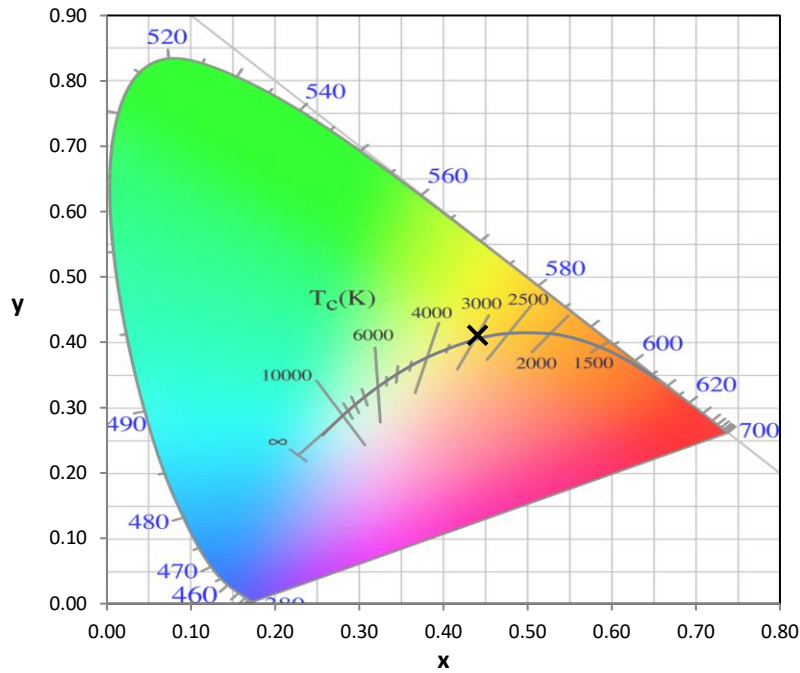
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-14

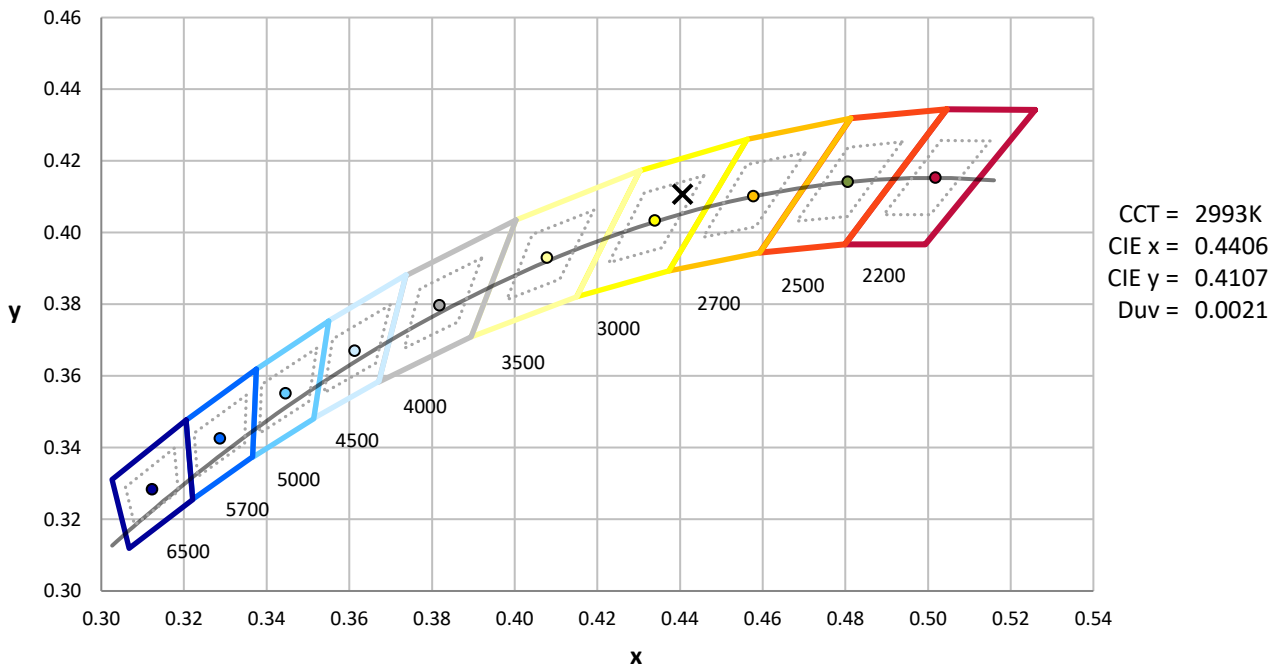
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-14

CIE 1931 Chromaticity Diagram



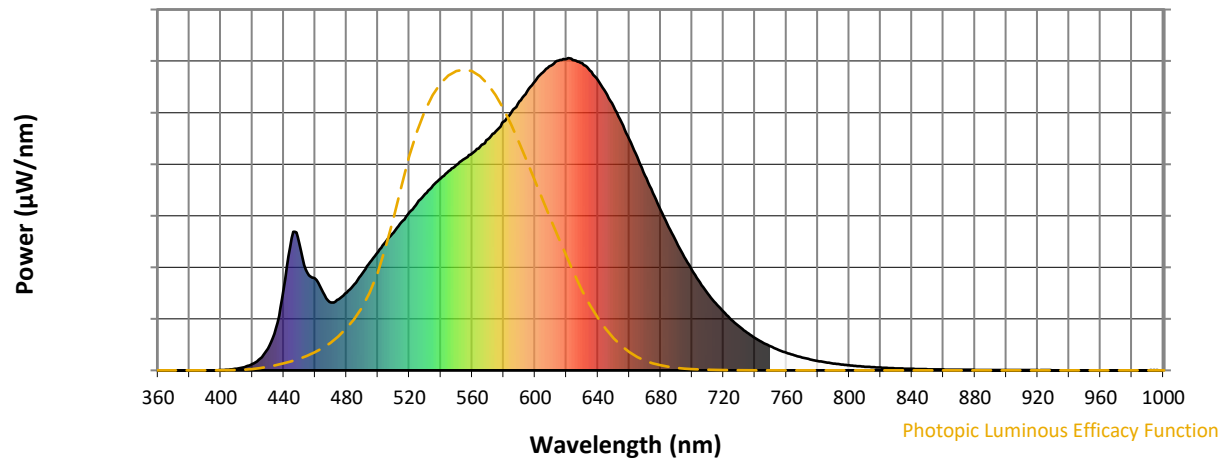
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-14

Photopic Flux vs. Wavelength

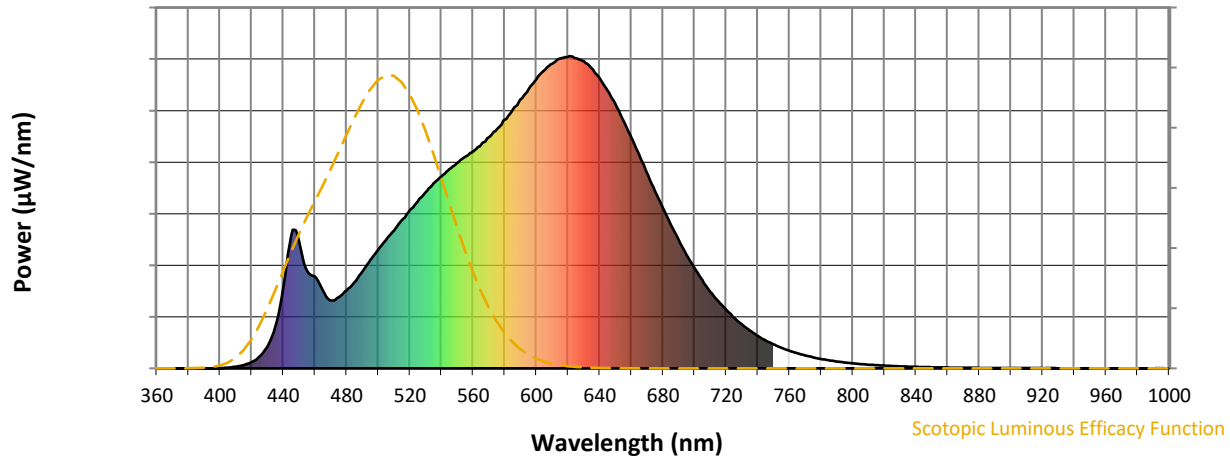


Photopic Lumens: NR

λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	310	NR	620	998	NR	750	77	NR	880	2	NR
365	0	NR	495	347	NR	625	993	NR	755	66	NR	885	1	NR
370	0	NR	500	379	NR	630	983	NR	760	56	NR	890	1	NR
375	0	NR	505	412	NR	635	960	NR	765	48	NR	895	1	NR
380	0	NR	510	442	NR	640	930	NR	770	41	NR	900	1	NR
385	0	NR	515	475	NR	645	889	NR	775	35	NR	905	1	NR
390	0	NR	520	506	NR	650	846	NR	780	30	NR	910	1	NR
395	0	NR	525	535	NR	655	794	NR	785	26	NR	915	1	NR
400	1	NR	530	565	NR	660	740	NR	790	22	NR	920	1	NR
405	2	NR	535	592	NR	665	684	NR	795	19	NR	925	1	NR
410	6	NR	540	615	NR	670	624	NR	800	16	NR	930	0	NR
415	10	NR	545	638	NR	675	567	NR	805	14	NR	935	0	NR
420	20	NR	550	658	NR	680	513	NR	810	12	NR	940	0	NR
425	38	NR	555	678	NR	685	459	NR	815	10	NR	945	0	NR
430	70	NR	560	695	NR	690	412	NR	820	9	NR	950	0	NR
435	136	NR	565	716	NR	695	363	NR	825	8	NR	955	0	NR
440	262	NR	570	740	NR	700	320	NR	830	7	NR	960	0	NR
445	424	NR	575	765	NR	705	281	NR	835	6	NR	965	0	NR
450	406	NR	580	796	NR	710	245	NR	840	5	NR	970	0	NR
455	313	NR	585	827	NR	715	215	NR	845	4	NR	975	0	NR
460	294	NR	590	861	NR	720	188	NR	850	4	NR	980	0	NR
465	250	NR	595	894	NR	725	162	NR	855	3	NR	985	0	NR
470	217	NR	600	927	NR	730	140	NR	860	3	NR	990	0	NR
475	228	NR	605	954	NR	735	121	NR	865	2	NR	995	0	NR
480	249	NR	610	976	NR	740	104	NR	870	2	NR	1000	0	NR
485	276	NR	615	992	NR	745	89	NR	875	2	NR			

REPORT NUMBER: SP1-2407-184-14

Scotopic Flux vs. Wavelength



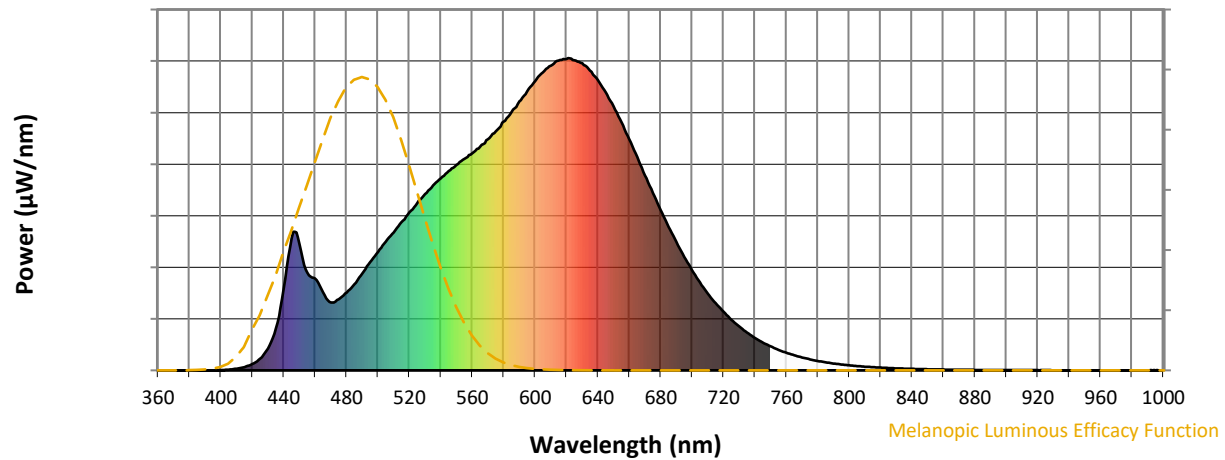
Scotopic Lumens: NR

S/P: 1.39

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	310	NR	620	998	NR	750	77	NR	880	2	NR
365	0	NR	495	347	NR	625	993	NR	755	66	NR	885	1	NR
370	0	NR	500	379	NR	630	983	NR	760	56	NR	890	1	NR
375	0	NR	505	412	NR	635	960	NR	765	48	NR	895	1	NR
380	0	NR	510	442	NR	640	930	NR	770	41	NR	900	1	NR
385	0	NR	515	475	NR	645	889	NR	775	35	NR	905	1	NR
390	0	NR	520	506	NR	650	846	NR	780	30	NR	910	1	NR
395	0	NR	525	535	NR	655	794	NR	785	26	NR	915	1	NR
400	1	NR	530	565	NR	660	740	NR	790	22	NR	920	1	NR
405	2	NR	535	592	NR	665	684	NR	795	19	NR	925	1	NR
410	6	NR	540	615	NR	670	624	NR	800	16	NR	930	0	NR
415	10	NR	545	638	NR	675	567	NR	805	14	NR	935	0	NR
420	20	NR	550	658	NR	680	513	NR	810	12	NR	940	0	NR
425	38	NR	555	678	NR	685	459	NR	815	10	NR	945	0	NR
430	70	NR	560	695	NR	690	412	NR	820	9	NR	950	0	NR
435	136	NR	565	716	NR	695	363	NR	825	8	NR	955	0	NR
440	262	NR	570	740	NR	700	320	NR	830	7	NR	960	0	NR
445	424	NR	575	765	NR	705	281	NR	835	6	NR	965	0	NR
450	406	NR	580	796	NR	710	245	NR	840	5	NR	970	0	NR
455	313	NR	585	827	NR	715	215	NR	845	4	NR	975	0	NR
460	294	NR	590	861	NR	720	188	NR	850	4	NR	980	0	NR
465	250	NR	595	894	NR	725	162	NR	855	3	NR	985	0	NR
470	217	NR	600	927	NR	730	140	NR	860	3	NR	990	0	NR
475	228	NR	605	954	NR	735	121	NR	865	2	NR	995	0	NR
480	249	NR	610	976	NR	740	104	NR	870	2	NR	1000	0	NR
485	276	NR	615	992	NR	745	89	NR	875	2	NR			

REPORT NUMBER: SP1-2407-184-14

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.69

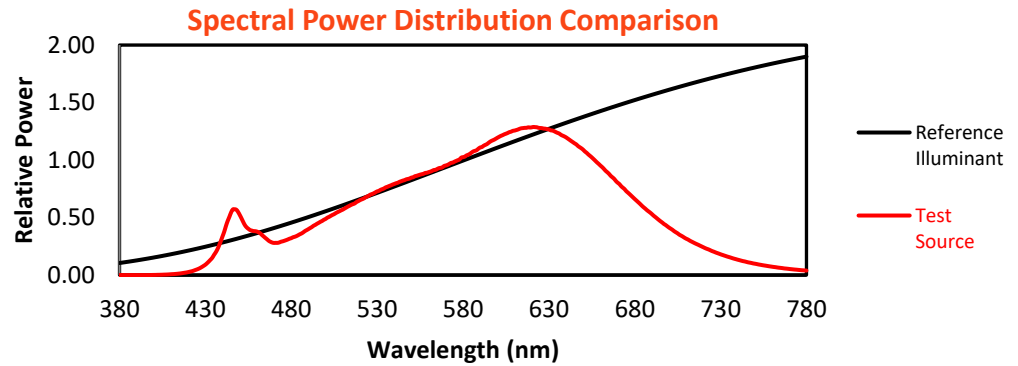
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	310	NR	620	998	NR	750	77	NR	880	2	NR
365	0	NR	495	347	NR	625	993	NR	755	66	NR	885	1	NR
370	0	NR	500	379	NR	630	983	NR	760	56	NR	890	1	NR
375	0	NR	505	412	NR	635	960	NR	765	48	NR	895	1	NR
380	0	NR	510	442	NR	640	930	NR	770	41	NR	900	1	NR
385	0	NR	515	475	NR	645	889	NR	775	35	NR	905	1	NR
390	0	NR	520	506	NR	650	846	NR	780	30	NR	910	1	NR
395	0	NR	525	535	NR	655	794	NR	785	26	NR	915	1	NR
400	1	NR	530	565	NR	660	740	NR	790	22	NR	920	1	NR
405	2	NR	535	592	NR	665	684	NR	795	19	NR	925	1	NR
410	6	NR	540	615	NR	670	624	NR	800	16	NR	930	0	NR
415	10	NR	545	638	NR	675	567	NR	805	14	NR	935	0	NR
420	20	NR	550	658	NR	680	513	NR	810	12	NR	940	0	NR
425	38	NR	555	678	NR	685	459	NR	815	10	NR	945	0	NR
430	70	NR	560	695	NR	690	412	NR	820	9	NR	950	0	NR
435	136	NR	565	716	NR	695	363	NR	825	8	NR	955	0	NR
440	262	NR	570	740	NR	700	320	NR	830	7	NR	960	0	NR
445	424	NR	575	765	NR	705	281	NR	835	6	NR	965	0	NR
450	406	NR	580	796	NR	710	245	NR	840	5	NR	970	0	NR
455	313	NR	585	827	NR	715	215	NR	845	4	NR	975	0	NR
460	294	NR	590	861	NR	720	188	NR	850	4	NR	980	0	NR
465	250	NR	595	894	NR	725	162	NR	855	3	NR	985	0	NR
470	217	NR	600	927	NR	730	140	NR	860	3	NR	990	0	NR
475	228	NR	605	954	NR	735	121	NR	865	2	NR	995	0	NR
480	249	NR	610	976	NR	740	104	NR	870	2	NR	1000	0	NR
485	276	NR	615	992	NR	745	89	NR	875	2	NR			

REPORT NUMBER: SP1-2407-184-14

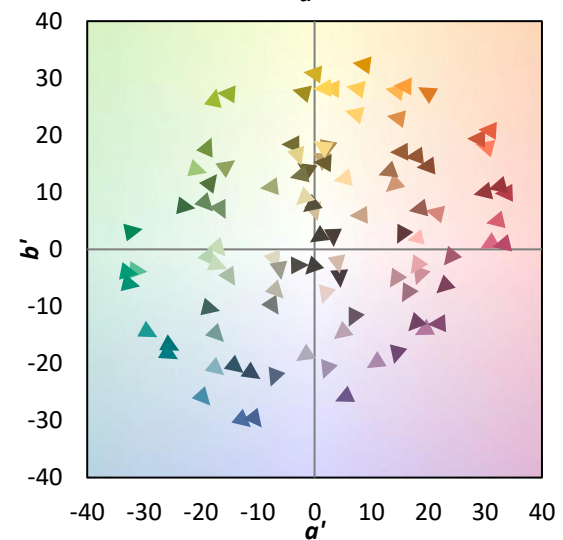
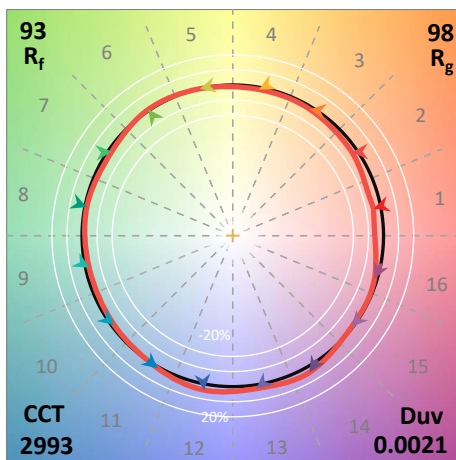
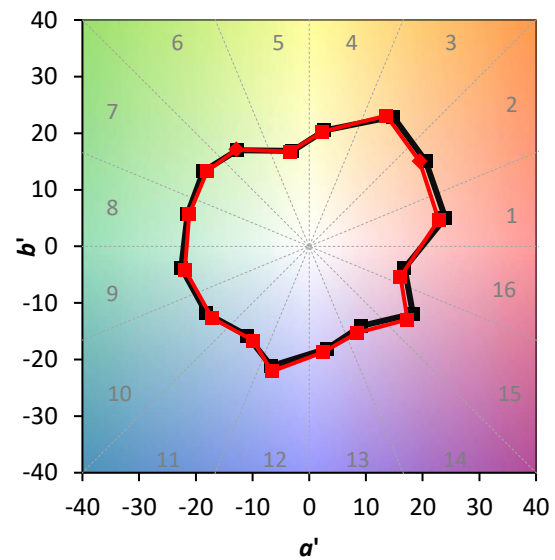
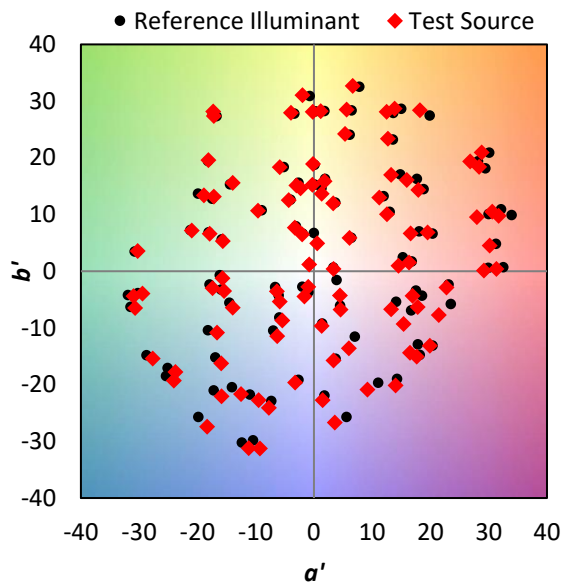
TM-30-18

Summary

$R_f = 92.6$
 $R_g = 98.5$
 $CIE R_a = 92.4$
 $R_9 = 58.2$

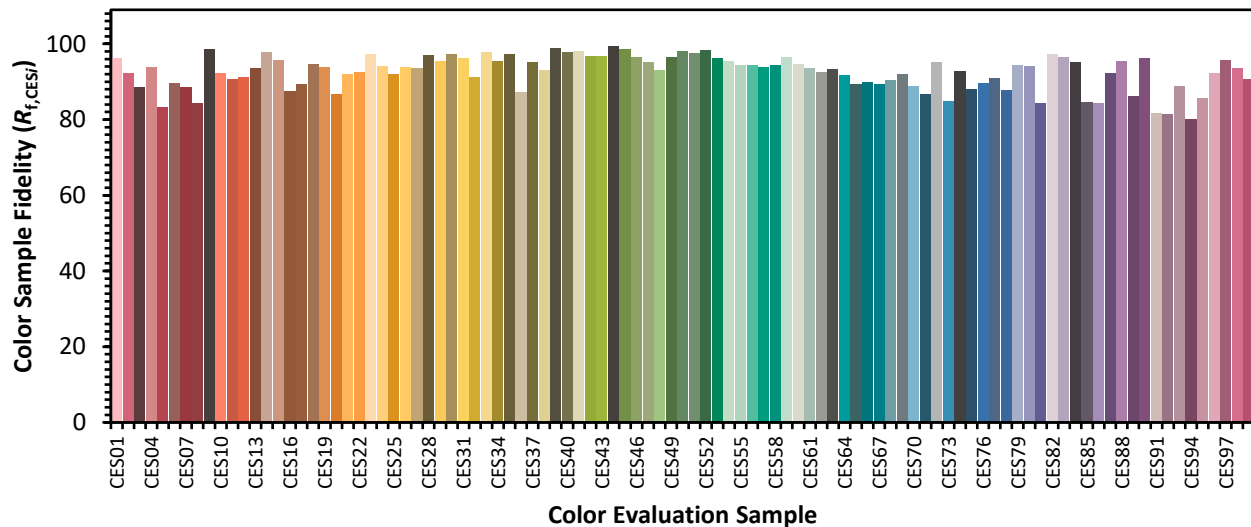


Color Vector Graphics

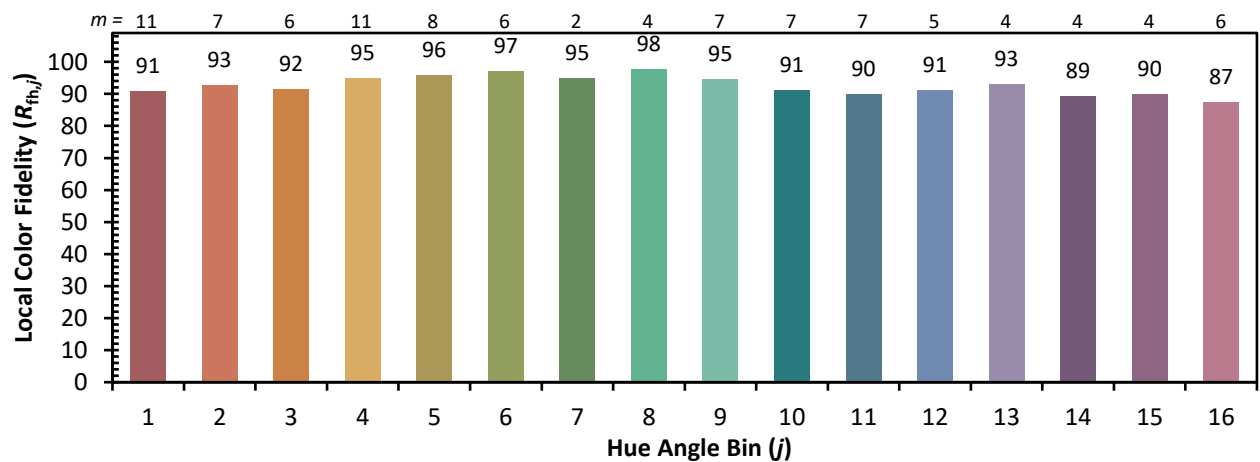
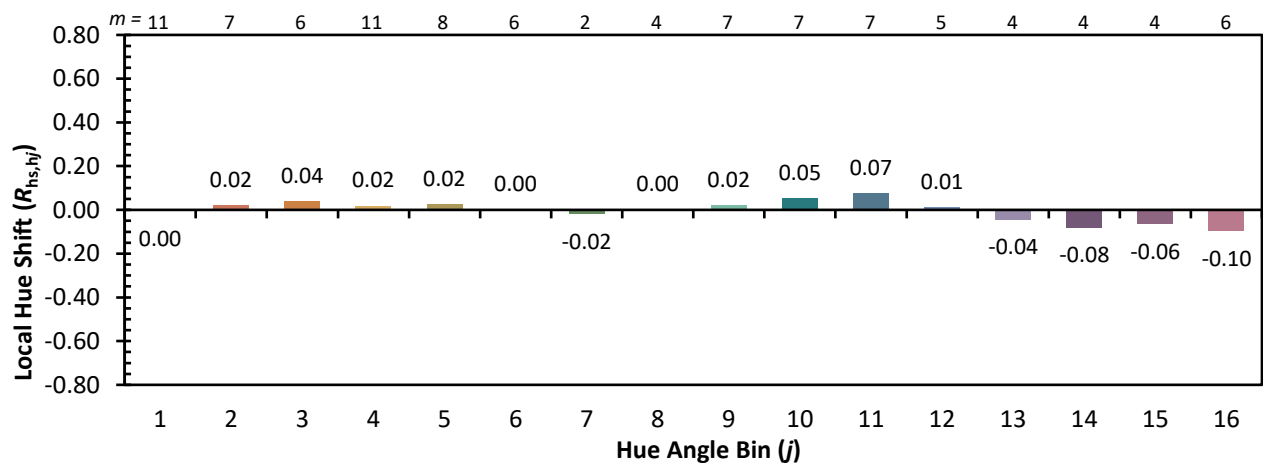
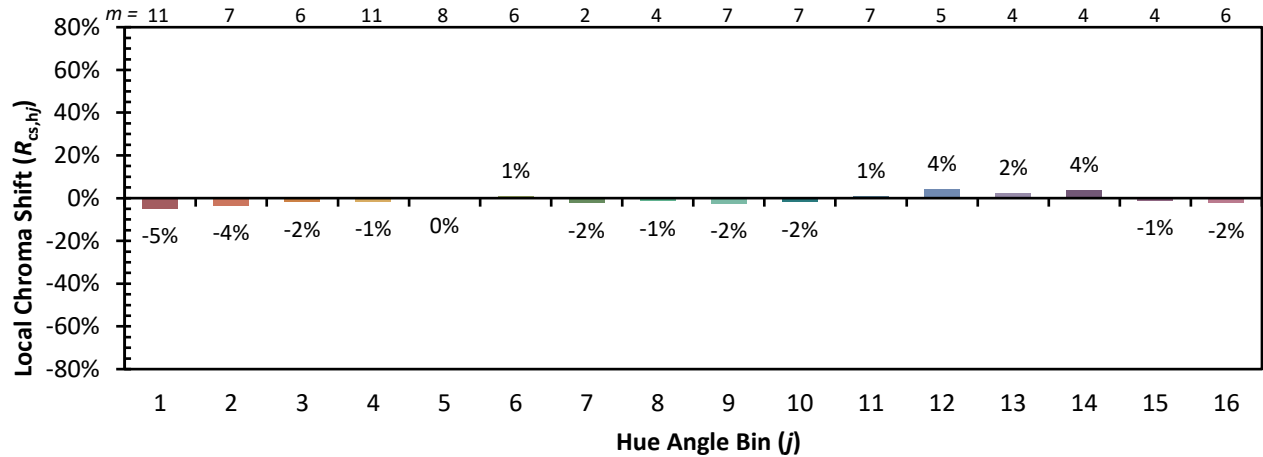


Individual Sample Fidelity Index ($R_{f,i}$)

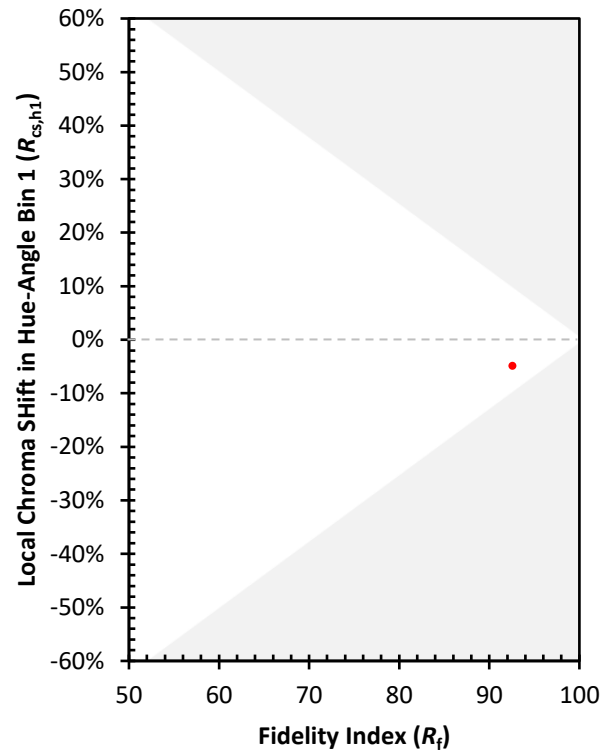
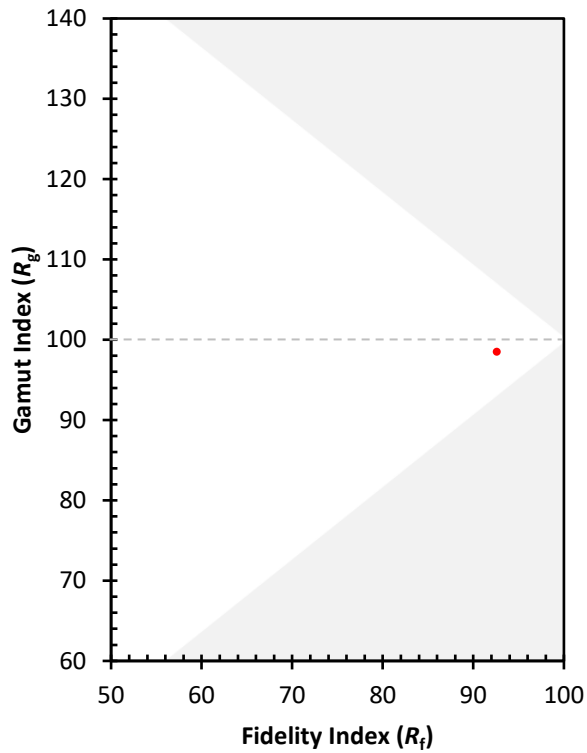
CES01 = 86	CES26 = 94	CES51 = 98	CES76 = 90
CES02 = 63	CES27 = 94	CES52 = 98	CES77 = 91
CES03 = 32	CES28 = 97	CES53 = 96	CES78 = 88
CES04 = 70	CES29 = 95	CES54 = 95	CES79 = 94
CES05 = 51	CES30 = 97	CES55 = 94	CES80 = 94
CES06 = 51	CES31 = 96	CES56 = 94	CES81 = 84
CES07 = 43	CES32 = 91	CES57 = 94	CES82 = 97
CES08 = 42	CES33 = 98	CES58 = 94	CES83 = 97
CES09 = 29	CES34 = 96	CES59 = 97	CES84 = 95
CES10 = 76	CES35 = 97	CES60 = 95	CES85 = 85
CES11 = 59	CES36 = 87	CES61 = 94	CES86 = 84
CES12 = 65	CES37 = 95	CES62 = 92	CES87 = 92
CES13 = 44	CES38 = 93	CES63 = 93	CES88 = 95
CES14 = 74	CES39 = 99	CES64 = 92	CES89 = 86
CES15 = 72	CES40 = 98	CES65 = 89	CES90 = 96
CES16 = 48	CES41 = 98	CES66 = 90	CES91 = 82
CES17 = 50	CES42 = 97	CES67 = 89	CES92 = 81
CES18 = 57	CES43 = 97	CES68 = 90	CES93 = 89
CES19 = 72	CES44 = 99	CES69 = 92	CES94 = 80
CES20 = 67	CES45 = 99	CES70 = 89	CES95 = 86
CES21 = 86	CES46 = 96	CES71 = 87	CES96 = 92
CES22 = 79	CES47 = 95	CES72 = 95	CES97 = 96
CES23 = 92	CES48 = 93	CES73 = 85	CES98 = 94
CES24 = 91	CES49 = 97	CES74 = 93	CES99 = 91
CES25 = 72	CES50 = 98	CES75 = 88	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)