

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: P1049330

Luminaire Tested: **GALN-SA4B-930-U-RBC**

Issue Date: 07/10/2025



Test Information

Test Method: LM-79-08
Report Number: P1049330
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA4B-930-U-RBC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 800mA 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: 11357.7 lumens
Efficiency: N/A
Efficacy: 78.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G2

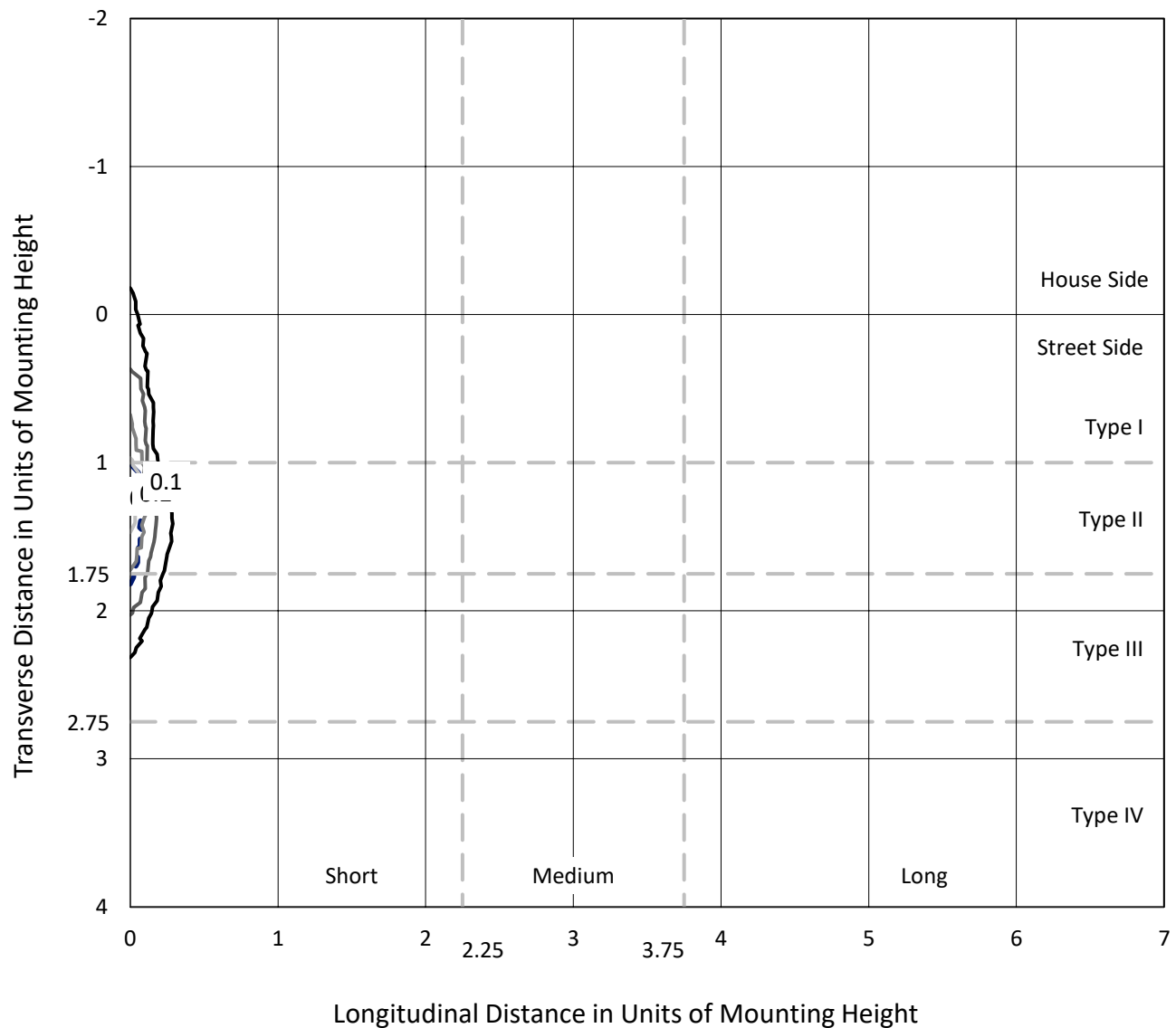
Input Watts (W): 144.1
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

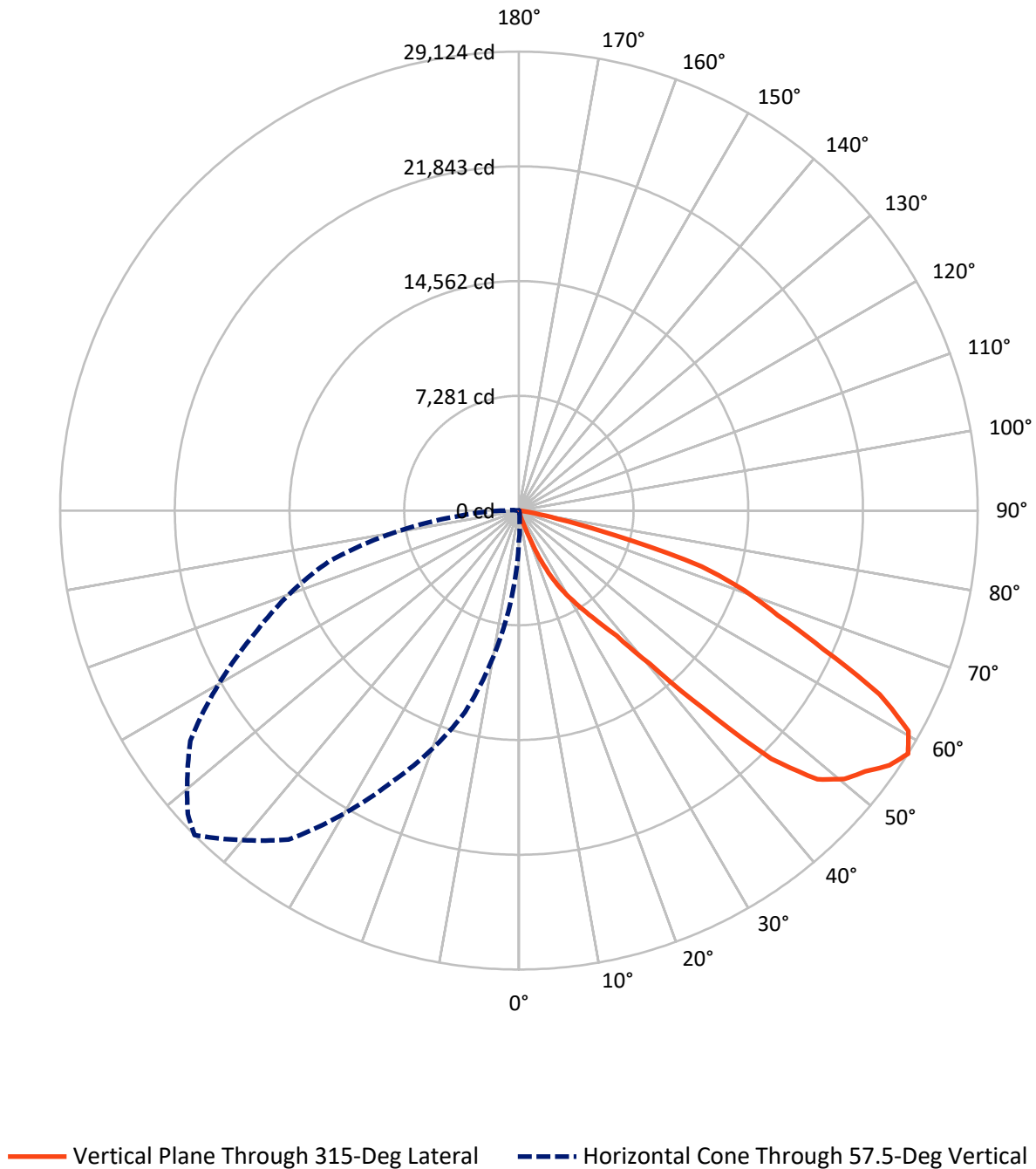
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 1.7 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	56.9	0.0	56.9
	% Fixture	0.5	0.0	0.5
Street Side	Lumens	11300.8	0.0	11300.8
	% Fixture	99.5	0.0	99.5
Total	Lumens	11357.7	0.0	11357.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.5	0.0
10°-20°	25.0	0.2
20°-30°	269.2	2.4
30°-40°	796.0	7.0
40°-50°	2372.2	20.9
50°-60°	3761.4	33.1
60°-70°	3139.9	27.6
70°-80°	968.2	8.5
80°-90°	21.5	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°	11357.7	100.0
0°-180°	11357.7	100.0



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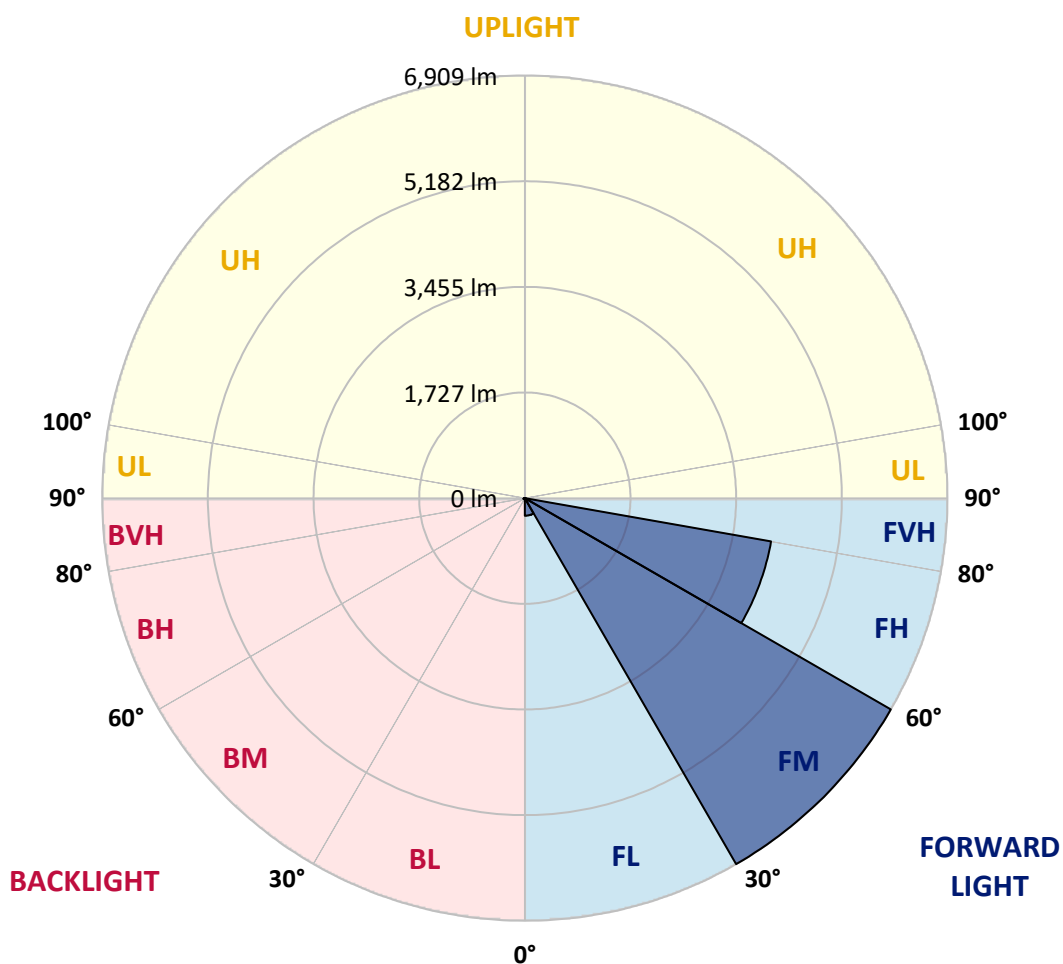
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	288.1	2.5			
FM	(30°-60°)	6909.2	60.8			
FH	(60°-80°)	4086.9	36.0			G2/5000
FVH	(80°-90°)	16.6	0.1			G1/100
BL	(0°-30°)	10.4	0.1	B0/110		
BM	(30°-60°)	20.3	0.2	B0/220		
BH	(60°-80°)	21.2	0.2	B0/110		G0/110
BVH	(80°-90°)	4.9	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G2

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°
0°	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
2.5°	45.5	45.5	45.5	45.5	44.6	44.6	43.8	43.8	42.9	42.9
5°	48.1	48.1	47.2	46.3	46.3	45.5	44.6	43.8	43.8	42.9
7.5°	52.4	51.5	50.6	49.8	48.1	47.2	45.5	44.6	43.8	42.1
10°	57.5	55.8	54.1	52.4	50.6	48.9	47.2	46.3	44.6	43.8
12.5°	64.4	61.8	58.4	55.8	54.1	51.5	49.8	48.1	45.5	43.8
15°	70.4	66.9	62.7	59.2	56.6	53.2	50.6	48.1	46.3	43.8
17.5°	79.0	73.0	66.1	61.8	58.4	54.1	49.8	47.2	44.6	41.2
20°	93.6	81.5	68.7	63.5	58.4	53.2	48.1	44.6	42.1	38.6
22.5°	116.7	96.1	75.5	67.8	60.9	53.2	46.3	42.9	39.5	36.0
25°	161.4	124.5	87.5	77.2	66.9	56.6	46.3	42.1	38.6	34.3
27.5°	214.6	159.6	103.9	89.3	75.5	60.9	46.3	41.2	36.9	31.8
30°	268.6	195.7	121.9	103.0	84.1	65.2	46.3	40.3	35.2	29.2
32.5°	320.1	229.2	137.3	115.0	92.7	69.5	47.2	40.3	33.5	26.6
35°	372.5	256.6	139.9	116.7	93.6	69.5	46.3	38.6	31.8	24.0
37.5°	439.4	287.5	134.8	111.6	89.3	66.1	43.8	36.9	30.0	22.3
40°	540.7	339.0	137.3	113.3	89.3	65.2	41.2	34.3	28.3	21.5
42.5°	727.8	438.6	148.5	121.0	93.6	65.2	37.8	31.8	26.6	20.6
45°	1258.3	728.7	199.1	157.9	116.7	75.5	34.3	29.2	24.9	19.7
47.5°	2081.4	1219.6	357.9	276.4	195.7	114.2	33.5	29.2	24.9	19.7
50°	2656.4	1553.5	450.6	346.7	242.9	139.0	35.2	30.0	25.7	20.6
52.5°	2652.1	1577.5	502.1	385.4	269.5	152.8	36.9	31.8	27.5	22.3
55°	2357.7	1435.1	511.5	393.1	275.5	157.1	39.5	34.3	29.2	24.0
57.5°	1970.6	1218.8	466.9	361.3	256.6	151.1	45.5	39.5	34.3	28.3
60°	1558.7	961.3	363.9	287.5	212.0	135.6	60.1	52.4	45.5	37.8
62.5°	1076.3	696.9	317.6	254.9	193.1	130.5	68.7	60.9	54.1	46.3
65°	761.3	524.4	286.7	233.5	181.1	127.9	74.7	66.1	58.4	49.8
67.5°	569.0	417.1	264.4	218.9	173.4	127.9	82.4	72.1	62.7	52.4
70°	436.0	342.5	248.0	211.1	175.1	138.2	101.3	86.7	73.0	58.4
72.5°	355.3	292.7	229.2	202.6	175.9	149.3	122.7	103.9	85.0	65.2
75°	294.4	250.6	206.8	184.5	163.1	140.8	118.4	101.3	85.0	67.8
77.5°	195.7	178.5	160.5	147.6	134.8	121.0	108.1	93.6	79.8	65.2
80°	68.7	66.1	63.5	68.7	73.8	79.0	84.1	73.8	64.4	54.1
82.5°	10.3	9.4	8.6	9.4	10.3	11.2	12.0	12.9	13.7	14.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

[illegible]

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CANDELA DISTRIBUTION (continued):

25°		27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°
0.0	0°	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
0.0	2.5°	42.1	42.1	41.2	41.2	41.2	40.3	40.3	39.5	39.5	39.5
0.0	5°	41.2	41.2	40.3	39.5	38.6	38.6	37.8	36.9	36.9	36.0
0.0	7.5°	40.3	39.5	38.6	37.8	36.9	36.0	35.2	34.3	34.3	33.5
0.0	10°	41.2	39.5	38.6	36.9	36.0	35.2	33.5	32.6	31.8	31.8
0.0	12.5°	39.5	38.6	36.9	35.2	34.3	32.6	31.8	30.0	29.2	29.2
0.0	15°	39.5	37.8	35.2	33.5	31.8	30.9	29.2	27.5	26.6	25.7
0.0	17.5°	36.9	35.2	32.6	30.9	29.2	27.5	25.7	24.0	23.2	22.3
0.0	20°	33.5	31.8	29.2	26.6	24.9	23.2	21.5	19.7	18.9	18.0
0.0	22.5°	30.0	28.3	25.7	23.2	21.5	19.7	17.2	15.4	14.6	12.9
0.0	25°	28.3	25.7	23.2	20.6	18.0	16.3	13.7	11.2	9.4	7.7
0.0	27.5°	24.0	21.5	18.9	16.3	13.7	11.2	8.6	6.0	4.3	3.4
0.0	30°	20.6	18.0	15.4	12.9	9.4	6.9	4.3	0.9	0.9	0.9
0.0	32.5°	17.2	14.6	11.2	8.6	6.9	4.3	2.6	0.0	0.0	0.0
0.0	35°	13.7	11.2	7.7	5.1	4.3	2.6	1.7	0.0	0.0	0.0
0.0	37.5°	12.0	9.4	6.0	2.6	1.7	1.7	0.9	0.0	0.0	0.0
0.0	40°	11.2	7.7	4.3	0.9	0.9	0.9	0.0	0.0	0.0	0.0
0.0	42.5°	11.2	7.7	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	11.2	7.7	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	11.2	7.7	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	12.0	8.6	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	13.7	10.3	6.9	3.4	2.6	1.7	0.9	0.0	0.0	0.0
0.0	55°	17.2	15.4	12.9	11.2	8.6	6.0	2.6	0.0	0.0	0.0
0.0	57.5°	22.3	22.3	21.5	20.6	15.4	10.3	5.1	0.0	0.0	0.0
0.0	60°	30.0	30.0	30.0	30.0	22.3	15.4	7.7	0.0	0.0	0.0
0.0	62.5°	36.9	35.2	32.6	30.9	23.2	15.4	7.7	0.0	0.0	0.0
0.0	65°	36.9	33.5	29.2	24.9	18.9	12.9	6.0	0.0	0.0	0.0
0.0	67.5°	34.3	27.5	19.7	12.9	9.4	6.9	3.4	0.0	0.0	0.0
	70°	34.3	24.0	13.7	3.4	2.6	1.7	0.9	0.0	0.0	0.0
	72.5°	34.3	23.2	11.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	75°	37.8	25.7	12.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	77.5°	37.8	25.7	12.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	80°	33.5	22.3	11.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	82.5°	11.2	7.7	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

52.5°		55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°
0.0	0°	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
0.0	2.5°	38.6	38.6	38.6	37.8	37.8	37.8	37.8	36.9	36.9	36.9
0.0	5°	35.2	35.2	34.3	34.3	33.5	33.5	32.6	32.6	31.8	31.8
0.0	7.5°	32.6	31.8	31.8	30.9	30.0	30.0	29.2	29.2	28.3	27.5
0.0	10°	30.0	29.2	29.2	28.3	27.5	26.6	26.6	25.7	24.9	24.0
0.0	12.5°	27.5	26.6	25.7	24.9	24.0	23.2	23.2	22.3	21.5	20.6
0.0	15°	24.0	23.2	22.3	21.5	20.6	19.7	19.7	18.9	18.0	17.2
0.0	17.5°	20.6	19.7	19.7	18.9	18.0	17.2	16.3	14.6	13.7	12.9
0.0	20°	15.4	14.6	13.7	12.9	12.0	10.3	9.4	7.7	6.0	5.1
0.0	22.5°	10.3	8.6	7.7	6.0	4.3	3.4	2.6	0.9	0.0	0.0
0.0	25°	3.4	2.6	1.7	0.9	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: P1049330

CATALOG NUMBER: GALN-SA4B-930-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049330

CATALOG NUMBER: GALN-SA4B-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°	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
0.0	2.5°	36.0	36.0	36.0	35.2	35.2	35.2	35.2	35.2	35.2	35.2
0.0	5°	30.9	30.9	30.9	30.0	30.0	29.2	29.2	29.2	28.3	28.3
0.0	7.5°	26.6	25.7	25.7	24.9	24.9	24.0	24.0	24.0	23.2	23.2
0.0	10°	22.3	21.5	21.5	20.6	20.6	19.7	19.7	18.9	18.9	18.0
0.0	12.5°	19.7	18.9	18.0	17.2	17.2	16.3	15.4	15.4	14.6	13.7
0.0	15°	15.4	14.6	13.7	12.9	12.0	11.2	10.3	10.3	9.4	8.6
0.0	17.5°	10.3	8.6	7.7	6.9	6.9	6.0	5.1	4.3	3.4	2.6
0.0	20°	2.6	1.7	0.9	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: P1049330

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CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049330

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CANDELA DISTRIBUTION (continued):

107.5°		110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°
0.0	0°	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
0.0	2.5°	35.2	34.3	34.3	34.3	35.2	35.2	35.2	35.2	35.2	35.2
0.0	5°	28.3	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5
0.0	7.5°	23.2	22.3	22.3	22.3	22.3	21.5	21.5	21.5	21.5	21.5
0.0	10°	18.0	17.2	17.2	17.2	17.2	16.3	16.3	16.3	16.3	16.3
0.0	12.5°	12.9	12.9	12.0	12.0	12.0	11.2	11.2	11.2	11.2	10.3
0.0	15°	7.7	6.9	6.0	6.0	6.0	5.1	5.1	5.1	5.1	4.3
0.0	17.5°	1.7	1.7	0.9	0.9	0.9	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



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CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049330

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CANDELA DISTRIBUTION (continued):

135°		137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°
0.0	0°	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
0.0	2.5°	36.0	36.0	36.9	36.9	37.8	39.5	40.3	41.2	42.9	44.6
0.0	5°	28.3	29.2	29.2	30.0	30.9	31.8	32.6	33.5	35.2	36.9
0.0	7.5°	22.3	22.3	23.2	23.2	24.0	25.7	26.6	27.5	29.2	31.8
0.0	10°	17.2	17.2	18.0	18.0	18.9	20.6	21.5	22.3	24.0	26.6
0.0	12.5°	11.2	12.0	12.0	12.9	13.7	15.4	16.3	17.2	18.9	20.6
0.0	15°	5.1	6.0	6.0	6.9	7.7	9.4	10.3	11.2	12.9	15.4
0.0	17.5°	0.9	0.9	1.7	1.7	2.6	3.4	4.3	5.1	7.7	9.4
0.0	20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	3.4
0.0	22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
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



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CANDELA DISTRIBUTION (continued):

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CATALOG NUMBER: GALN-SA4B-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°	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
0.0	2.5°	47.2	48.9	50.6	52.4	54.1	55.8	56.6	58.4	59.2	60.1
0.0	5°	40.3	42.1	44.6	46.3	48.1	49.8	51.5	52.4	53.2	54.1
0.0	7.5°	35.2	36.9	39.5	41.2	42.9	44.6	46.3	48.1	48.9	49.8
0.0	10°	30.0	32.6	34.3	36.9	38.6	40.3	42.1	43.8	45.5	46.3
0.0	12.5°	24.0	26.6	29.2	30.9	33.5	36.0	37.8	39.5	41.2	42.9
0.0	15°	18.9	21.5	24.0	25.7	28.3	30.9	33.5	35.2	36.9	38.6
0.0	17.5°	13.7	16.3	18.9	20.6	23.2	25.7	27.5	30.0	31.8	33.5
0.0	20°	6.9	9.4	12.0	14.6	17.2	19.7	21.5	24.0	25.7	27.5
0.0	22.5°	0.9	3.4	6.0	7.7	10.3	12.9	14.6	17.2	18.9	20.6
0.0	25°	0.0	0.9	2.6	3.4	4.3	6.0	7.7	9.4	11.2	12.9
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	0.9	1.7	3.4	5.1	6.9
0.0	30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7
0.0	32.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
	82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	1.7
	85°	0.0	0.0	0.0	0.0	0.0	1.7	2.6	4.3	5.1	6.0
	87.5°	0.0	0.9	1.7	2.6	3.4	5.1	6.9	8.6	9.4	10.3
	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1049330

CATALOG NUMBER: GALN-SA4B-930-U-RBC

CANDELA DISTRIBUTION (continued):

190°		165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°
49.8	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60.1	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
54.9	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50.6	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48.1	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43.8	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40.3	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36.0	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29.2	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22.3	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.4	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.6	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.6	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0											
0.0											
0.0											
0.0											
0.9											
3.4											
7.7											
11.2											
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REPORT NUMBER: P1049330

CATALOG NUMBER: GALN-SA4B-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°	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
0.0	2.5°	60.9	60.9	60.9	60.9	60.1	60.1	60.1	59.2	59.2	58.4
0.0	5°	55.8	56.6	56.6	56.6	56.6	56.6	56.6	56.6	55.8	55.8
0.0	7.5°	51.5	52.4	53.2	53.2	54.1	54.1	54.1	53.2	53.2	52.4
0.0	10°	48.9	49.8	49.8	50.6	50.6	50.6	50.6	50.6	50.6	50.6
0.0	12.5°	45.5	46.3	47.2	47.2	48.1	48.1	48.1	48.1	47.2	47.2
0.0	15°	41.2	42.9	43.8	44.6	44.6	45.5	45.5	45.5	45.5	45.5
0.0	17.5°	37.8	39.5	40.3	41.2	41.2	42.1	42.1	42.9	42.9	42.9
0.0	20°	30.9	32.6	33.5	35.2	36.0	36.9	37.8	38.6	38.6	39.5
0.0	22.5°	24.0	25.7	26.6	28.3	29.2	30.0	30.9	31.8	32.6	33.5
0.0	25°	17.2	18.9	19.7	21.5	22.3	23.2	24.0	24.9	24.9	25.7
0.0	27.5°	9.4	11.2	12.9	13.7	15.4	16.3	17.2	18.0	18.9	19.7
0.0	30°	4.3	5.1	6.0	7.7	8.6	9.4	10.3	12.0	12.9	13.7
0.0	32.5°	0.0	0.0	0.9	2.6	3.4	4.3	5.1	6.0	6.0	6.9
0.0	35°	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.7	2.6	3.4
0.0	37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	80°	1.7	1.7	1.7	2.6	2.6	2.6	2.6	2.6	2.6	2.6
	82.5°	4.3	5.1	6.0	6.0	6.9	6.9	6.9	6.9	6.0	6.0
	85°	8.6	9.4	10.3	10.3	11.2	11.2	11.2	11.2	11.2	11.2
	87.5°	12.0	12.9	13.7	13.7	14.6	14.6	14.6	14.6	14.6	14.6
	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: P1049330

CATALOG NUMBER: GALN-SA4B-930-U-RBC

CANDELA DISTRIBUTION (continued):

217.5°		192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°
49.8	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58.4	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55.8	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.4	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50.6	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.2	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45.5	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.9	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38.6	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33.5	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26.6	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20.6	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14.6	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.6	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.1	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.7	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.7	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.9	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.9	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.9	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.9	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.9	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0											
0.0											
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REPORT NUMBER: P1049330

CATALOG NUMBER: GALN-SA4B-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°	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
0.0	2.5°	57.5	57.5	56.6	56.6	56.6	56.6	56.6	57.5	58.4	58.4
0.0	5°	54.9	54.9	54.1	54.1	54.1	54.9	54.9	55.8	56.6	57.5
0.0	7.5°	52.4	51.5	51.5	52.4	52.4	53.2	53.2	54.1	54.9	55.8
0.0	10°	50.6	49.8	49.8	49.8	50.6	50.6	51.5	52.4	53.2	54.1
0.0	12.5°	47.2	47.2	47.2	47.2	48.1	48.1	48.9	49.8	51.5	52.4
0.0	15°	45.5	44.6	44.6	44.6	44.6	45.5	45.5	47.2	48.9	49.8
0.0	17.5°	42.1	42.1	41.2	41.2	42.1	42.1	42.9	44.6	46.3	47.2
0.0	20°	38.6	37.8	36.9	36.9	37.8	37.8	38.6	40.3	42.1	42.9
0.0	22.5°	33.5	32.6	32.6	32.6	32.6	33.5	33.5	35.2	37.8	39.5
0.0	25°	26.6	27.5	27.5	28.3	28.3	29.2	30.0	31.8	34.3	36.0
0.0	27.5°	20.6	21.5	21.5	23.2	24.0	24.9	25.7	28.3	30.9	32.6
0.0	30°	15.4	16.3	17.2	18.0	19.7	21.5	23.2	25.7	28.3	30.0
0.0	32.5°	9.4	11.2	12.0	13.7	15.4	17.2	18.9	21.5	24.9	27.5
0.0	35°	6.9	7.7	9.4	10.3	12.0	13.7	15.4	18.9	21.5	24.9
0.0	37.5°	3.4	5.1	6.9	8.6	10.3	12.0	13.7	17.2	20.6	23.2
0.0	40°	2.6	4.3	5.1	6.9	9.4	11.2	12.9	16.3	19.7	23.2
0.0	42.5°	1.7	2.6	3.4	6.0	7.7	10.3	12.9	16.3	19.7	23.2
0.0	45°	1.7	1.7	2.6	5.1	7.7	11.2	13.7	17.2	19.7	23.2
0.0	47.5°	1.7	2.6	3.4	6.9	8.6	11.2	13.7	16.3	19.7	22.3
0.0	50°	2.6	3.4	4.3	7.7	9.4	12.0	13.7	17.2	19.7	23.2
0.0	52.5°	1.7	2.6	3.4	6.9	9.4	12.9	15.4	18.9	22.3	24.9
0.0	55°	0.9	0.9	0.9	5.1	10.3	14.6	19.7	22.3	25.7	28.3
0.0	57.5°	0.0	0.0	0.0	3.4	10.3	16.3	22.3	25.7	29.2	31.8
0.0	60°	0.0	0.0	0.0	3.4	10.3	16.3	22.3	26.6	30.9	35.2
0.0	62.5°	0.0	0.0	0.0	3.4	8.6	13.7	18.9	25.7	33.5	40.3
0.0	65°	0.0	0.0	0.0	2.6	6.9	11.2	15.4	25.7	36.0	45.5
0.0	67.5°	0.0	0.0	0.0	2.6	6.9	10.3	14.6	25.7	36.0	47.2
	70°	0.0	0.0	0.0	2.6	6.9	11.2	15.4	25.7	36.0	46.3
	72.5°	0.0	0.0	0.0	2.6	7.7	12.0	17.2	25.7	34.3	42.9
	75°	0.0	0.0	0.0	3.4	7.7	12.9	18.0	25.7	33.5	40.3
	77.5°	0.0	0.0	0.0	2.6	7.7	12.0	17.2	24.9	32.6	39.5
	80°	2.6	1.7	1.7	4.3	7.7	11.2	14.6	22.3	30.9	38.6
	82.5°	5.1	5.1	4.3	6.0	7.7	10.3	12.9	19.7	27.5	34.3
	85°	10.3	10.3	9.4	10.3	10.3	11.2	12.0	15.4	18.9	22.3
	87.5°	13.7	13.7	12.9	12.9	12.9	12.0	12.0	12.0	12.0	11.2
	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: P1049330

CATALOG NUMBER: GALN-SA4B-930-U-RBC

CANDELA DISTRIBUTION (continued):

245°		220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°
49.8	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59.2	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58.4	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
56.6	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
54.9	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
53.2	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
51.5	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48.9	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44.6	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41.2	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.8	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35.2	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32.6	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30.0	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27.5	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26.6	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26.6	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26.6	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25.7	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24.9	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25.7	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28.3	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30.9	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35.2	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39.5	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.2	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55.8	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
56.6											
51.5											
48.1											
47.2											
46.3											
41.2											
25.7											
11.2											
0.0											
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REPORT NUMBER: P1049330

CATALOG NUMBER: GALN-SA4B-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°	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
0.0	2.5°	60.1	60.9	60.9	61.8	62.7	63.5	63.5	64.4	64.4	64.4
0.0	5°	59.2	60.9	61.8	62.7	63.5	64.4	65.2	66.1	66.9	66.9
0.0	7.5°	58.4	59.2	60.9	61.8	63.5	64.4	66.1	66.9	67.8	68.7
0.0	10°	56.6	58.4	60.1	61.8	63.5	65.2	66.9	68.7	70.4	71.2
0.0	12.5°	54.9	57.5	59.2	60.9	63.5	66.1	67.8	70.4	72.1	73.8
0.0	15°	54.1	55.8	58.4	60.1	63.5	66.9	69.5	73.0	76.4	79.0
0.0	17.5°	51.5	54.9	57.5	60.1	63.5	67.8	71.2	74.7	79.8	85.0
0.0	20°	48.1	50.6	54.1	56.6	61.8	66.1	71.2	75.5	83.3	91.0
0.0	22.5°	44.6	48.1	50.6	54.1	60.1	65.2	71.2	76.4	89.3	101.3
0.0	25°	41.2	45.5	48.9	52.4	59.2	66.1	73.0	79.8	101.3	122.7
0.0	27.5°	39.5	42.9	47.2	50.6	59.2	68.7	77.2	85.8	120.2	153.6
0.0	30°	36.9	41.2	44.6	48.9	60.1	71.2	82.4	93.6	145.9	198.3
0.0	32.5°	34.3	38.6	42.9	47.2	61.8	76.4	90.1	104.7	173.4	241.2
0.0	35°	31.8	36.9	41.2	45.5	64.4	84.1	103.0	121.9	198.3	273.8
0.0	37.5°	30.9	36.0	40.3	44.6	65.2	85.0	105.6	125.3	200.8	276.4
0.0	40°	31.8	36.0	41.2	45.5	62.7	79.8	96.1	113.3	192.3	270.4
0.0	42.5°	31.8	36.9	42.1	47.2	60.9	74.7	88.4	102.1	189.7	277.2
0.0	45°	30.9	36.0	41.2	46.3	59.2	71.2	84.1	96.1	205.1	313.3
0.0	47.5°	30.0	35.2	40.3	45.5	58.4	71.2	84.1	97.0	265.2	432.6
0.0	50°	30.0	35.2	39.5	43.8	59.2	75.5	91.0	106.4	386.2	665.2
0.0	52.5°	31.8	36.0	39.5	42.9	60.9	79.8	97.8	115.9	490.9	865.2
0.0	55°	34.3	36.9	40.3	42.9	65.2	86.7	109.0	130.5	522.7	914.9
0.0	57.5°	37.8	40.3	42.9	45.5	73.0	100.4	127.0	154.5	525.3	895.2
0.0	60°	42.1	45.5	48.1	50.6	79.8	109.9	139.0	168.2	475.5	781.9
0.0	62.5°	51.5	55.8	59.2	63.5	91.8	119.3	147.6	175.1	394.8	614.5
0.0	65°	59.2	62.7	66.1	69.5	97.0	125.3	152.8	180.2	334.7	489.2
0.0	67.5°	60.9	64.4	66.9	70.4	98.7	127.0	154.5	182.8	286.7	389.7
	70°	61.8	66.1	71.2	75.5	104.7	133.9	162.2	191.4	254.1	316.7
	72.5°	59.2	67.8	75.5	83.3	110.7	137.3	164.8	191.4	236.0	280.7
	75°	59.2	71.2	82.4	93.6	114.2	133.9	154.5	174.2	208.6	242.9
	77.5°	62.7	78.1	93.6	109.0	121.0	132.2	144.2	155.4	177.7	200.0
	80°	62.7	79.0	94.4	110.7	115.9	121.9	127.0	132.2	134.8	137.3
	82.5°	54.1	66.9	79.8	92.7	86.7	80.7	74.7	68.7	64.4	59.2
	85°	27.5	30.0	31.8	33.5	30.9	28.3	25.7	23.2	21.5	18.9
	87.5°	11.2	11.2	10.3	10.3	10.3	10.3	9.4	9.4	9.4	9.4
	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: P1049330

CATALOG NUMBER: GALN-SA4B-930-U-RBC

CANDELA DISTRIBUTION (continued):

272.5°		247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°
49.8	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
64.4	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66.9	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
69.5	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
73.0	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
76.4	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
83.3	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
91.8	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105.6	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
134.8	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
182.8	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
254.1	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
344.2	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
430.0	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
488.4	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
532.1	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
575.9	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
661.7	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
833.4	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1270.3	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1945.7	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2449.6	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2505.3	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2260.7	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1932.9	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1510.6	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1141.5	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
842.8	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
596.5											
443.7											
322.7											
242.9											
136.5											
61.8											
18.0											
8.6											
0.0											
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REPORT NUMBER: P1049330

CATALOG NUMBER: GALN-SA4B-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°	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
0.0	2.5°	64.4	63.5	63.5	62.7	61.8	60.9	60.1	59.2	58.4	57.5
0.0	5°	66.9	66.9	66.9	66.1	66.1	65.2	65.2	64.4	63.5	62.7
0.0	7.5°	69.5	70.4	70.4	71.2	71.2	71.2	71.2	70.4	70.4	70.4
0.0	10°	73.8	74.7	75.5	76.4	77.2	78.1	78.1	79.0	79.0	79.0
0.0	12.5°	79.0	81.5	83.3	85.8	87.5	90.1	91.8	94.4	96.1	97.8
0.0	15°	86.7	91.0	96.1	100.4	104.7	110.7	117.6	123.6	129.6	139.0
0.0	17.5°	97.8	111.6	125.3	138.2	151.9	182.0	212.0	241.2	271.2	315.0
0.0	20°	119.3	160.5	200.8	242.0	282.4	387.9	492.7	598.2	702.9	815.4
0.0	22.5°	167.4	268.6	369.9	471.2	572.5	793.1	1012.8	1233.4	1453.1	1711.4
0.0	25°	242.9	429.1	615.4	800.8	987.0	1332.1	1678.0	2023.0	2368.0	2703.6
0.0	27.5°	353.6	638.6	923.5	1207.6	1492.6	1960.3	2429.0	2896.7	3364.5	3743.9
0.0	30°	490.1	876.3	1262.5	1648.8	2035.0	2567.1	3099.3	3630.6	4162.7	4577.3
0.0	32.5°	618.8	1091.7	1564.7	2036.7	2509.6	3115.6	3722.4	4328.4	4934.3	5387.5
0.0	35°	702.9	1274.6	1847.0	2418.7	2990.3	3646.0	4301.7	4956.6	5612.4	6129.9
0.0	37.5°	787.1	1447.1	2106.2	2766.3	3425.4	4145.5	4865.6	5585.7	6305.9	6945.3
0.0	40°	881.5	1655.6	2429.0	3203.1	3976.5	4829.6	5681.9	6535.0	7387.3	8289.4
0.0	42.5°	1045.4	2001.5	2958.5	3914.7	4870.8	5999.4	7128.1	8255.9	9384.5	10672.0
0.0	45°	1353.5	2701.0	4049.4	5396.9	6744.4	8239.6	9735.6	11230.7	12725.9	14439.0
0.0	47.5°	2108.0	3961.9	5814.9	7668.8	9521.9	11136.3	12749.9	14364.3	15977.9	17684.2
0.0	50°	3225.5	5383.2	7540.9	9697.8	11855.6	13316.4	14776.3	16237.1	17697.1	19320.1
0.0	52.5°	4034.0	6281.8	8530.5	10778.4	13026.3	14344.6	15663.8	16982.1	18300.4	19817.0
0.0	55°	4094.9	6329.9	8565.7	10800.7	13035.7	14360.0	15684.4	17008.7	18333.1	19940.6
0.0	57.5°	3625.4	5842.4	8058.5	10275.4	12491.5	13999.6	15506.7	17014.7	18521.9	20259.9
0.0	60°	3083.8	5301.7	7518.6	9736.4	11953.4	13690.6	15428.6	17165.8	18903.0	20531.1
0.0	62.5°	2405.8	4687.1	6969.3	9250.6	11532.0	13295.8	15059.5	16822.5	18586.3	19807.6
0.0	65°	1793.0	4008.2	6223.5	8437.8	10653.1	12065.8	13478.6	14890.5	16303.2	17059.4
0.0	67.5°	1296.0	3206.6	5116.3	7026.8	8936.5	9947.6	10958.6	11968.8	12979.9	13558.4
	70°	876.3	2199.8	3522.4	4845.9	6168.5	6999.4	7831.0	8661.9	9492.7	10273.7
	72.5°	606.8	1350.1	2094.2	2837.5	3580.8	4416.8	5251.9	6087.8	6923.0	7749.5
	75°	402.5	740.7	1079.7	1417.9	1756.1	2374.9	2994.6	3613.4	4232.2	4724.9
	77.5°	285.8	387.1	489.2	590.5	691.8	807.7	924.4	1040.2	1156.1	1332.1
	80°	135.6	148.5	161.4	173.4	186.2	228.3	270.4	312.4	354.5	399.1
	82.5°	64.4	69.5	74.7	79.0	84.1	88.4	92.7	97.0	101.3	97.0
	85°	17.2	17.2	18.0	18.0	18.0	18.0	18.0	18.0	18.0	17.2
	87.5°	7.7	7.7	7.7	7.7	7.7	7.7	7.7	6.9	6.9	6.0
	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

300°		275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°
49.8	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
56.6	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61.8	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
69.5	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
79.8	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
98.7	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
149.3	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
357.9	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
928.7	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1969.8	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3039.2	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4123.2	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4992.7	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5841.5	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6647.5	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7585.6	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9191.4	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11959.4	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16152.1	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19390.5	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20943.1	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21333.6	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21549.1	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21998.0	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22158.5	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21029.8	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17816.4	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14137.7	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11053.9											
8576.0											
5217.5											
1508.0											
443.7											
91.8											
16.3											
6.0											
0.0											
0.0											
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CANDELA DISTRIBUTION (continued):

300°		302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°
0.0	0°	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
0.0	2.5°	55.8	54.9	54.1	53.2	52.4	50.6	50.6	49.8	49.8
0.0	5°	60.9	60.1	59.2	58.4	58.4	57.5	56.6	56.6	55.8
0.0	7.5°	69.5	68.7	67.8	66.9	66.9	66.1	66.1	65.2	65.2
0.0	10°	79.8	79.8	79.8	79.8	79.8	79.0	79.0	79.0	78.1
0.0	12.5°	100.4	101.3	103.0	104.7	107.3	107.3	107.3	106.4	106.4
0.0	15°	158.8	168.2	175.1	182.0	188.0	201.7	200.0	197.4	195.7
0.0	17.5°	401.7	444.6	467.8	490.1	513.3	576.8	566.5	556.2	546.7
0.0	20°	1041.1	1153.5	1228.2	1302.9	1378.4	1497.7	1468.5	1439.4	1410.2
0.0	22.5°	2227.3	2485.6	2598.0	2710.5	2822.1	2966.2	2872.7	2779.1	2686.4
0.0	25°	3373.9	3709.5	3899.2	4088.9	4277.7	4360.1	4238.2	4115.5	3993.6
0.0	27.5°	4502.6	4882.0	5049.3	5215.8	5383.2	5555.7	5404.6	5252.7	5101.7
0.0	30°	5407.2	5821.8	6002.9	6183.1	6364.2	6484.4	6328.2	6171.1	6014.9
0.0	32.5°	6294.7	6747.9	6946.1	7144.4	7341.8	7514.3	7322.1	7129.0	6936.7
0.0	35°	7164.1	7681.7	7954.6	8227.6	8500.5	8661.0	8432.7	8203.5	7975.2
0.0	37.5°	8225.0	8864.4	9170.0	9475.5	9781.1	10073.7	9822.3	9569.9	9318.4
0.0	40°	10093.5	10995.5	11464.2	11933.7	12402.3	12779.9	12462.4	12144.8	11827.2
0.0	42.5°	13246.8	14534.3	15208.0	15880.9	16554.7	17144.3	16810.5	16476.6	16142.7
0.0	45°	17865.3	19578.4	20399.8	21220.3	22041.7	22472.6	21992.0	21510.5	21029.8
0.0	47.5°	21095.9	22802.2	23533.4	24264.7	24996.0	25487.8	24899.8	24311.9	23724.8
0.0	50°	22565.3	24188.3	24922.2	25655.1	26389.0	26779.5	26100.6	25420.8	24741.9
0.0	52.5°	22849.4	24366.0	25241.4	26117.7	26993.2	27515.0	26713.4	25910.9	25109.3
0.0	55°	23156.7	24764.2	25779.6	26795.8	27811.2	28533.8	27627.5	26720.3	25813.9
0.0	57.5°	23735.1	25473.2	26486.0	27497.9	28510.7	29124.3	28215.4	27305.6	26396.7
0.0	60°	23786.6	25414.0	26284.3	27155.4	28025.7	28412.0	27542.5	26672.2	25802.8
0.0	62.5°	22251.2	23472.5	24076.7	24681.0	25285.2	25704.9	24797.7	23889.6	22982.4
0.0	65°	18572.5	19328.7	19810.2	20291.7	20773.2	21273.6	20442.7	19611.9	18781.1
0.0	67.5°	14716.2	15294.7	15929.0	16563.3	17197.5	17732.3	17067.1	16401.1	15735.9
	70°	11835.0	12615.1	13328.4	14041.6	14754.9	15192.6	14524.8	13856.2	13188.5
	72.5°	9402.6	10229.1	10824.7	11419.5	12015.2	12122.5	11631.5	11140.6	10650.5
	75°	5709.3	6202.0	6214.0	6225.2	6237.2	6339.3	5932.5	5525.7	5119.7
	77.5°	1684.0	1859.9	2005.0	2149.2	2294.2	2469.3	2320.0	2169.8	2020.4
	80°	487.5	532.1	569.9	606.8	644.6	622.3	587.1	551.9	516.7
	82.5°	87.5	82.4	81.5	80.7	80.7	76.4	69.5	62.7	55.8
	85°	15.4	14.6	13.7	12.9	12.0	11.2	9.4	8.6	6.9
	87.5°	5.1	4.3	3.4	2.6	2.6	0.9	0.9	0.9	0.0
	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049330

CATALOG NUMBER: GALN-SA4B-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°	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
0.0	0.0	2.5°	48.9	48.1	48.1	48.1	48.1	47.2	47.2	47.2	47.2
0.0	0.0	5°	54.1	54.1	53.2	53.2	52.4	52.4	51.5	51.5	50.6
0.0	0.0	7.5°	63.5	62.7	61.8	60.9	60.1	58.4	57.5	56.6	56.6
0.0	0.0	10°	76.4	74.7	73.8	72.1	71.2	69.5	67.8	66.1	64.4
0.0	0.0	12.5°	100.4	97.0	94.4	91.0	87.5	85.0	81.5	79.0	75.5
0.0	0.0	15°	174.2	165.6	156.2	145.1	133.0	121.9	109.9	103.0	95.3
0.0	0.0	17.5°	445.5	400.8	355.3	318.4	281.5	245.5	208.6	182.0	155.4
0.0	0.0	20°	1133.8	1010.2	886.6	764.7	642.0	520.1	397.4	335.6	273.8
0.0	0.0	22.5°	2133.7	1904.5	1674.5	1452.2	1229.1	1006.8	784.5	644.6	505.5
0.0	0.0	25°	3293.3	3004.9	2716.5	2350.9	1984.4	1618.7	1253.1	1025.7	798.2
0.0	0.0	27.5°	4285.4	3953.3	3621.1	3176.5	2731.9	2287.3	1842.7	1503.7	1165.6
0.0	0.0	30°	5144.6	4787.5	4430.5	3912.9	3395.4	2877.8	2360.3	1936.3	1512.3
0.0	0.0	32.5°	5889.6	5462.2	5034.7	4500.9	3967.0	3433.2	2899.3	2379.2	1859.1
0.0	0.0	35°	6748.7	6250.1	5750.5	5158.3	4565.2	3973.0	3380.8	2793.7	2205.8
0.0	0.0	37.5°	7840.5	7228.5	6615.7	5955.7	5295.6	4636.5	3976.5	3305.3	2634.1
0.0	0.0	40°	9930.4	9140.8	8351.2	7512.6	6673.2	5834.7	4996.1	4172.1	3348.2
0.0	0.0	42.5°	13675.1	12608.3	11541.4	10425.6	9309.0	8193.2	7076.6	5914.5	4751.5
0.0	0.0	45°	17901.3	16577.9	15253.5	14001.3	12748.2	11495.9	10243.7	8649.0	7054.3
0.0	0.0	47.5°	20277.9	18848.9	17419.8	16234.5	15049.2	13864.0	12678.7	10959.5	9240.3
0.0	0.0	50°	21152.5	19697.7	18242.9	17152.1	16060.3	14969.4	13877.7	12156.0	10433.4
0.0	0.0	52.5°	21338.8	19854.8	18370.8	17273.1	16175.3	15078.4	13980.7	12270.1	10559.5
0.0	0.0	55°	21721.6	20129.5	18536.5	17285.1	16033.7	14782.3	13530.9	11792.9	10054.9
0.0	0.0	57.5°	22222.0	20589.5	18957.0	17531.4	16105.8	14681.0	13255.4	11355.2	9454.9
0.0	0.0	60°	22090.7	20670.2	19248.9	17722.0	16194.2	14667.3	13139.6	11049.6	8958.8
0.0	0.0	62.5°	19811.0	18679.8	17547.7	16292.1	15035.5	13779.8	12524.2	10372.4	8220.7
0.0	0.0	65°	16298.1	15472.4	14646.7	13636.5	12625.4	11615.2	10605.0	8675.6	6747.0
0.0	0.0	67.5°	13209.1	12278.7	11347.4	10542.4	9736.4	8931.4	8125.4	6607.1	5088.8
		70°	10494.3	9482.4	8469.6	7683.4	6896.4	6110.2	5324.0	4314.6	3306.1
		72.5°	8334.0	7421.6	6509.3	5670.7	4831.3	3992.8	3153.4	2556.8	1960.3
		75°	3983.3	3618.5	3253.8	2815.2	2376.6	1938.0	1499.4	1239.4	980.2
		77.5°	1476.3	1279.7	1082.3	903.8	725.3	547.6	369.1	338.2	307.3
		80°	381.9	333.0	283.2	248.0	212.0	176.8	141.6	127.9	115.0
		82.5°	43.8	40.3	37.8	36.0	33.5	31.8	29.2	26.6	24.0
		85°	2.6	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

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REPORT NUMBER: P1049330

CATALOG NUMBER: GALN-SA4B-930-U-RBC

CANDELA DISTRIBUTION (continued):

352.5°	355°		357.5°	360°
0.0	0.0	0°	49.8	49.8
0.0	0.0	2.5°	46.3	45.5
0.0	0.0	5°	48.9	48.1
0.0	0.0	7.5°	54.1	52.4
0.0	0.0	10°	59.2	57.5
0.0	0.0	12.5°	66.9	64.4
0.0	0.0	15°	75.5	70.4
0.0	0.0	17.5°	90.1	79.0
0.0	0.0	20°	121.9	93.6
0.0	0.0	22.5°	171.7	116.7
0.0	0.0	25°	252.3	161.4
0.0	0.0	27.5°	351.0	214.6
0.0	0.0	30°	466.9	268.6
0.0	0.0	32.5°	569.0	320.1
0.0	0.0	35°	702.1	372.5
0.0	0.0	37.5°	866.0	439.4
0.0	0.0	40°	1120.1	540.7
0.0	0.0	42.5°	1577.5	727.8
0.0	0.0	45°	2562.0	1258.3
0.0	0.0	47.5°	3942.1	2081.4
0.0	0.0	50°	4822.7	2656.4
0.0	0.0	52.5°	4894.8	2652.1
0.0	0.0	55°	4468.3	2357.7
0.0	0.0	57.5°	3812.5	1970.6
0.0	0.0	60°	3168.8	1558.7
0.0	0.0	62.5°	2496.8	1076.3
0.0	0.0	65°	1824.7	761.3
0.0	0.0	67.5°	1310.6	569.0
		70°	861.7	436.0
		72.5°	561.3	355.3
		75°	377.6	294.4
		77.5°	220.6	195.7
		80°	78.1	68.7
		82.5°	14.6	10.3
		85°	0.0	0.0
		87.5°	0.0	0.0
		90°	0.0	0.0
		92.5°	0.0	0.0
		95°	0.0	0.0
		97.5°	0.0	0.0
		100°	0.0	0.0
		102.5°	0.0	0.0
		105°	0.0	0.0
		107.5°	0.0	0.0
		110°	0.0	0.0



REPORT NUMBER: P1049330

CATALOG NUMBER: GALN-SA4B-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

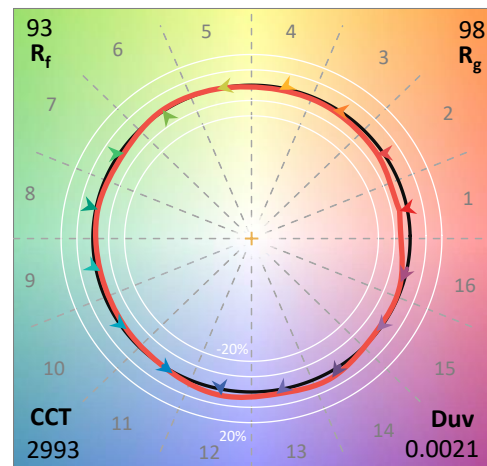
Test Information

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

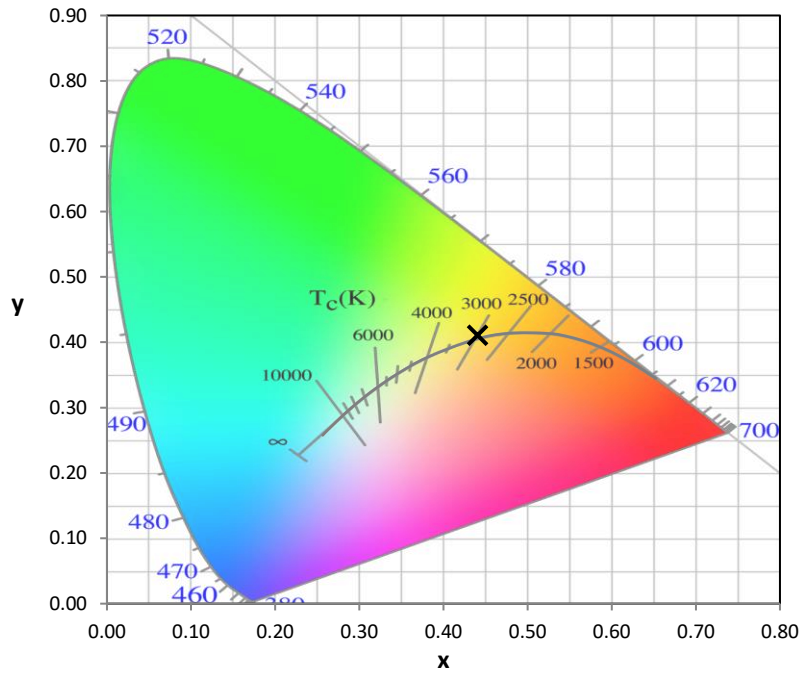
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-14

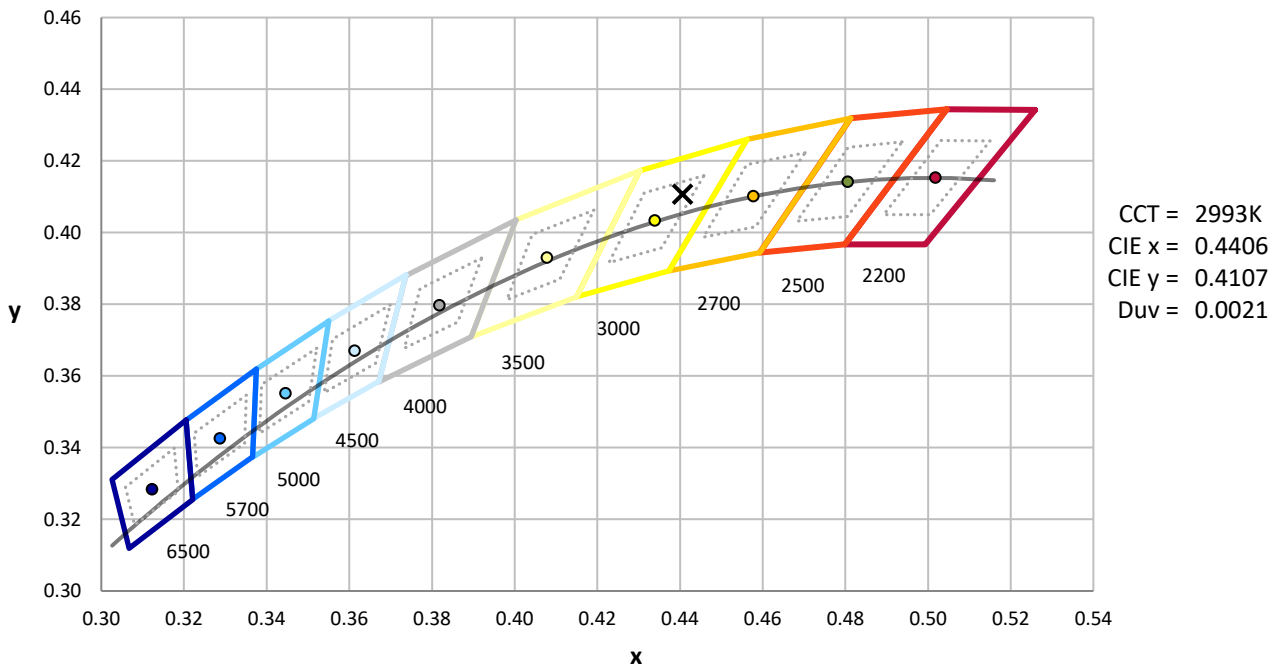
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

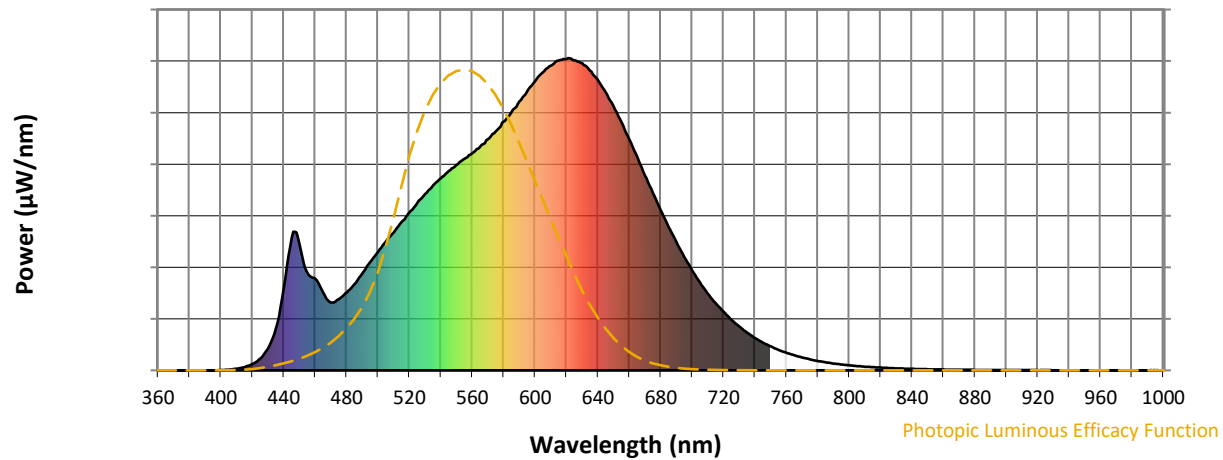


CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3000K 4-step quadrangle

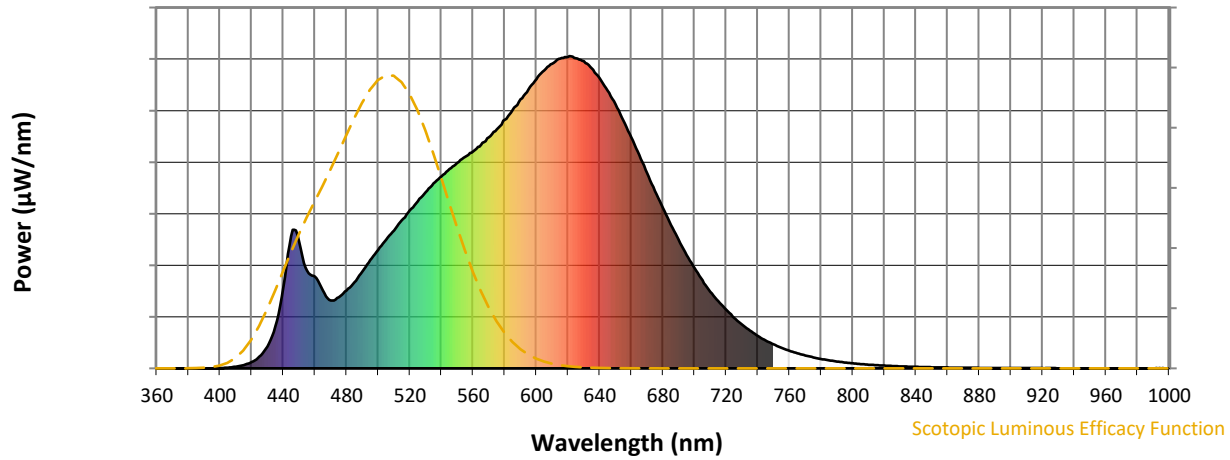
REPORT NUMBER: SP1-2407-184-14

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



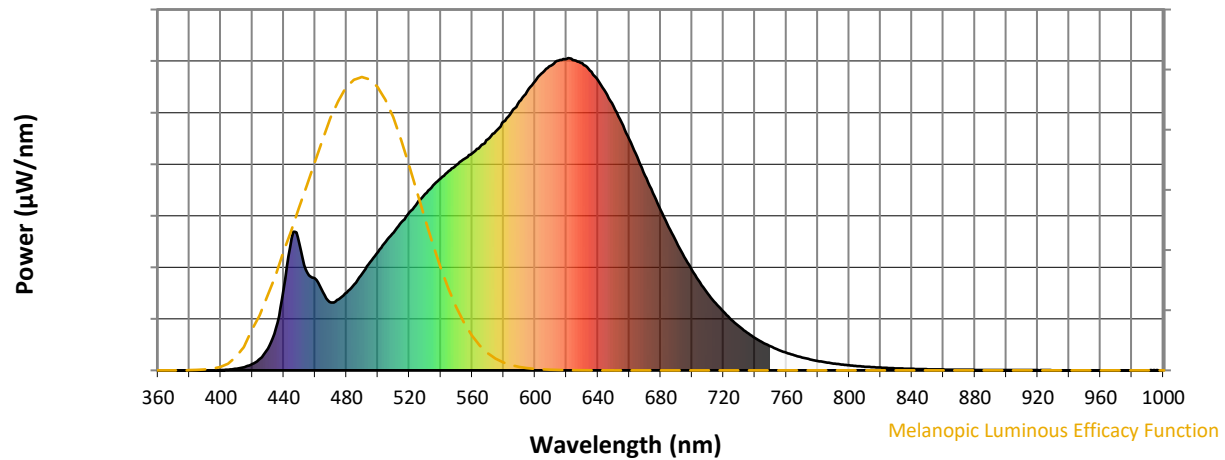
Scotopic Lumens: NR

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

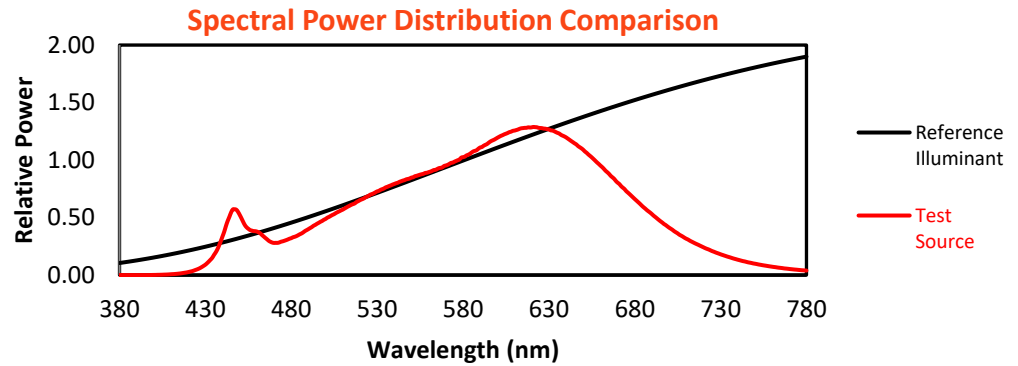
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	310	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

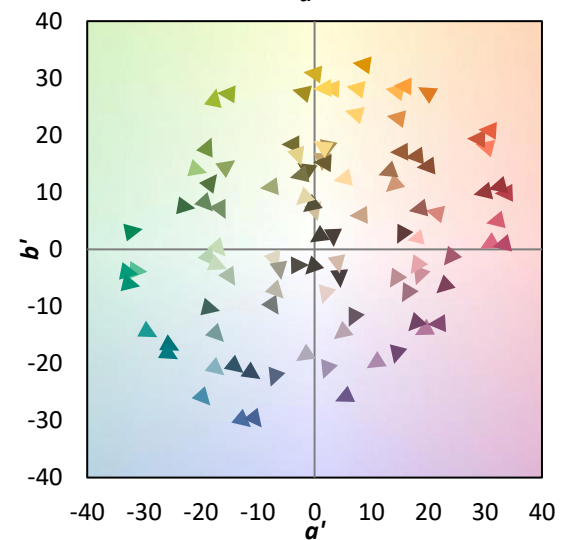
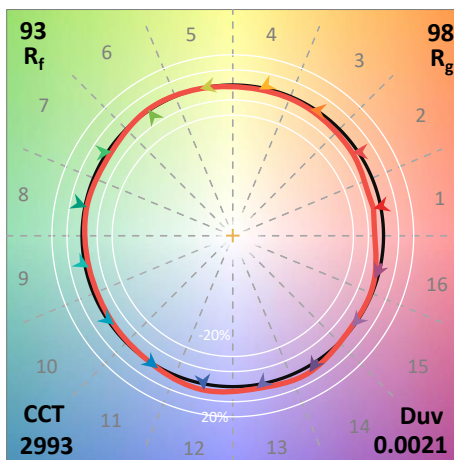
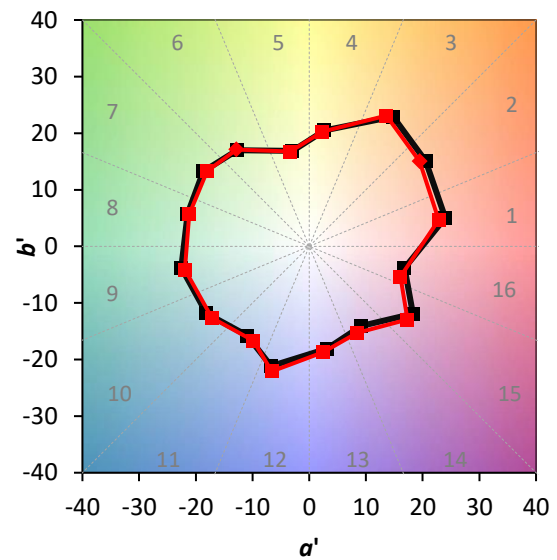
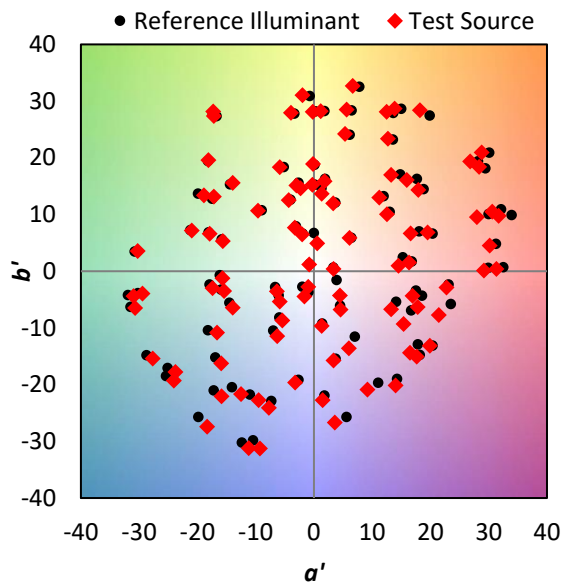
TM-30-18

Summary

$R_f = 92.6$
 $R_g = 98.5$
 $\text{CIE } R_a = 92.4$
 $R_9 = 58.2$

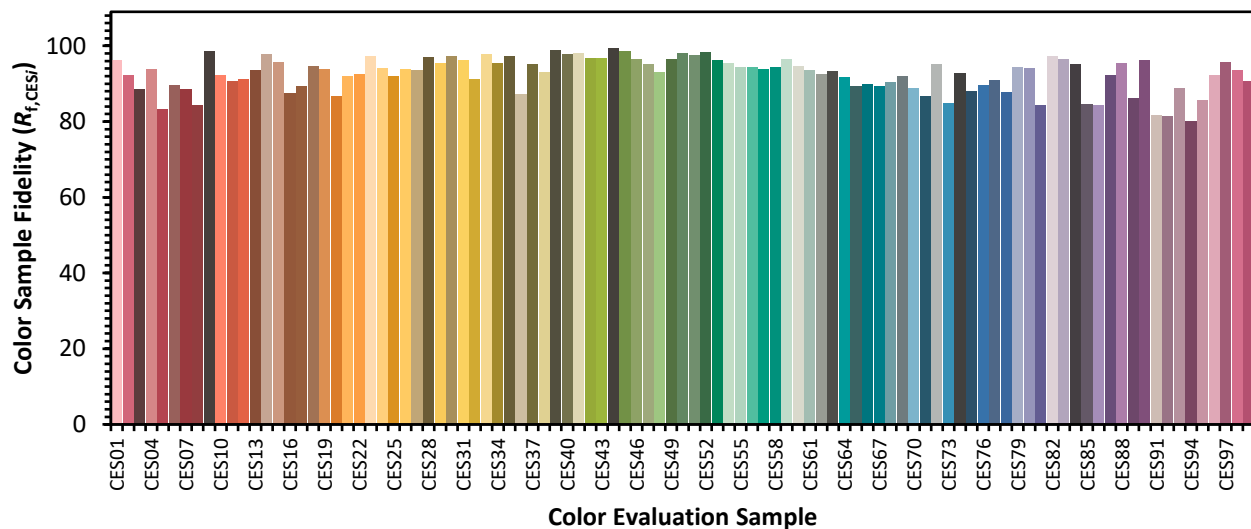


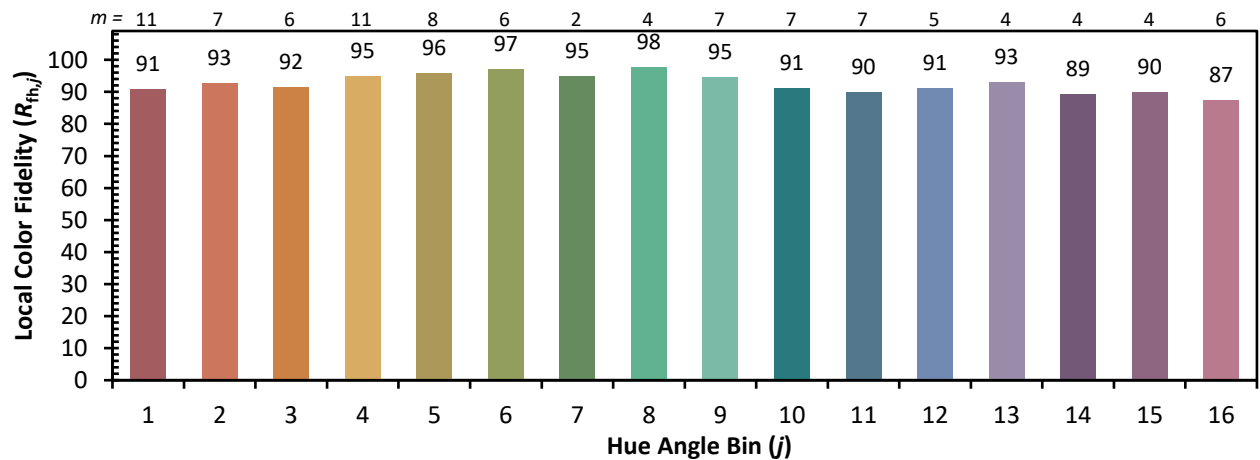
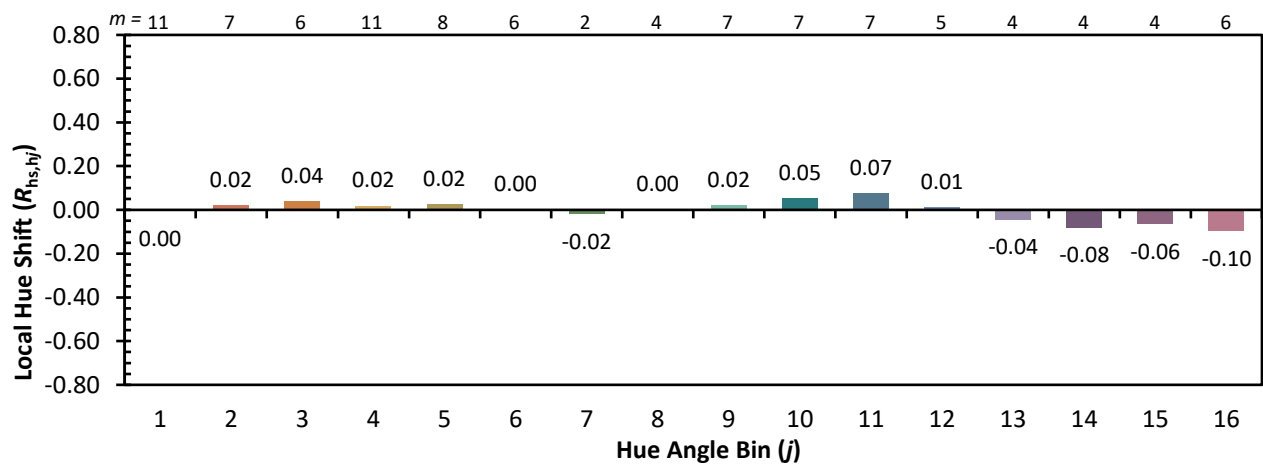
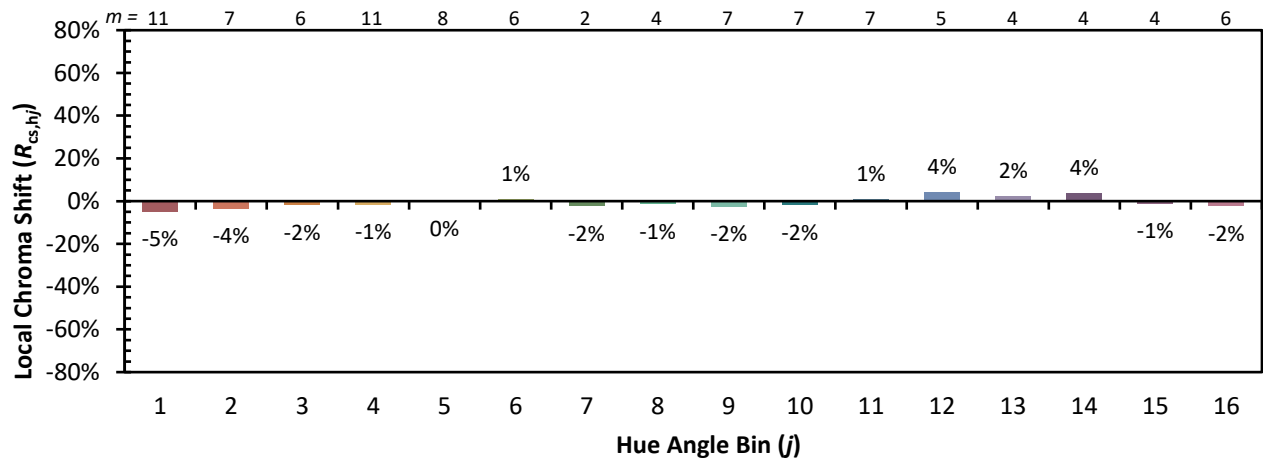
Color Vector Graphics



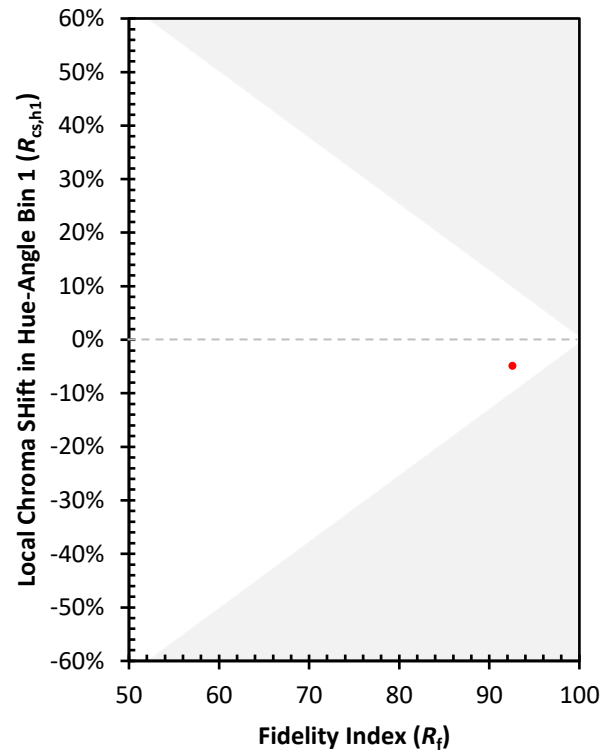
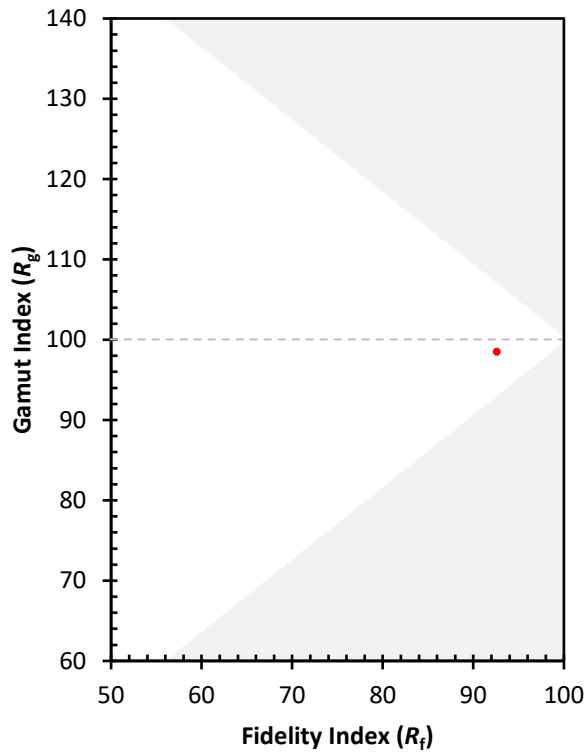
Individual Sample Fidelity Index ($R_{f,i}$)

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)