

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: P1048965

Luminaire Tested: **GALN-SA3A-730-U-RBC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1048965
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA3A-730-U-RBC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 615mA 3xLight Square PACKAGE
70CRI 3000K FIXTURE w/ RIGHT CORNER BACKLIGHT CONTROL
Light Source: (42) 3000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9722.2 lumens
Efficiency: N/A
Efficacy: 119.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G2

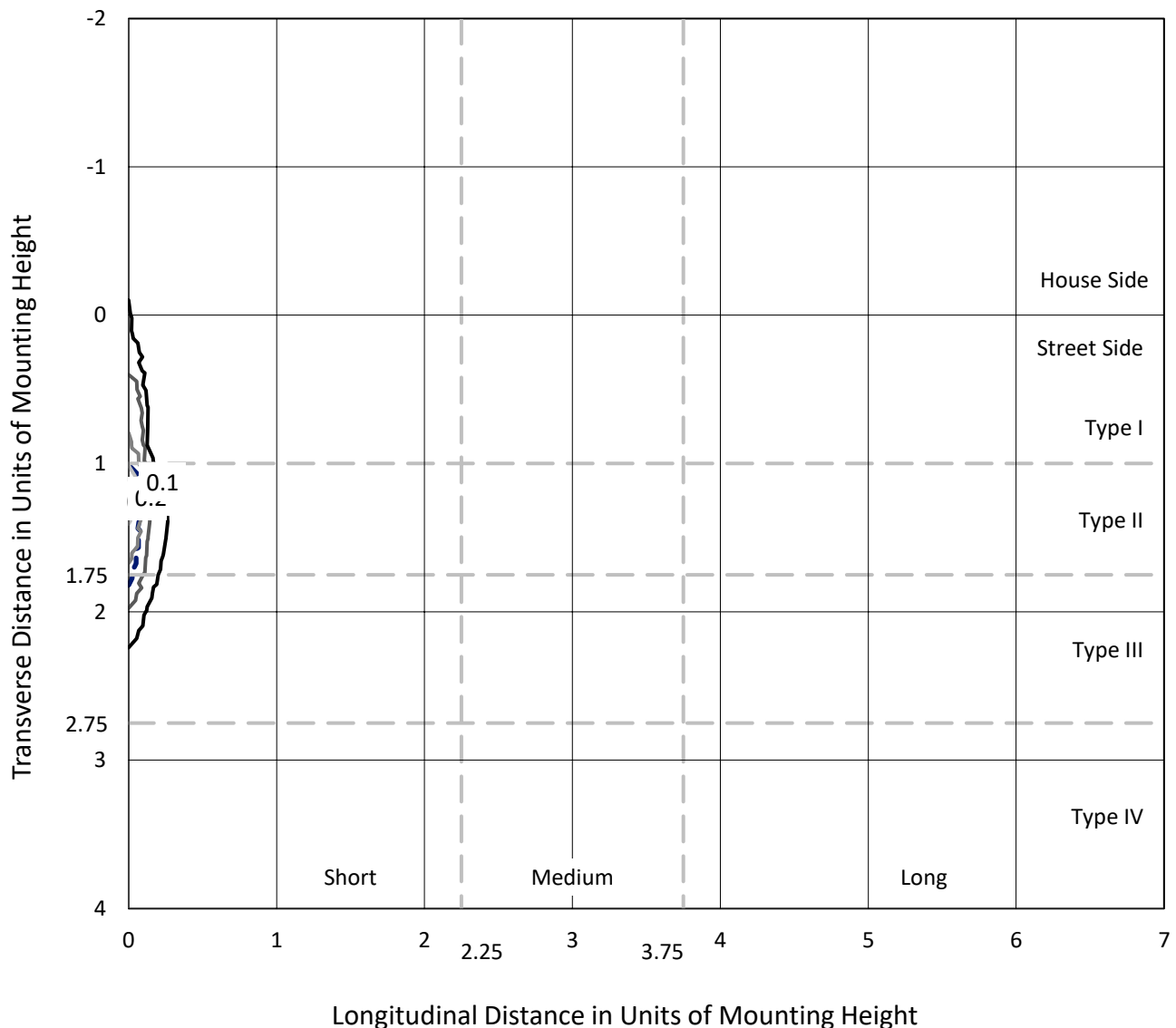
Input Watts (W): 81.4
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

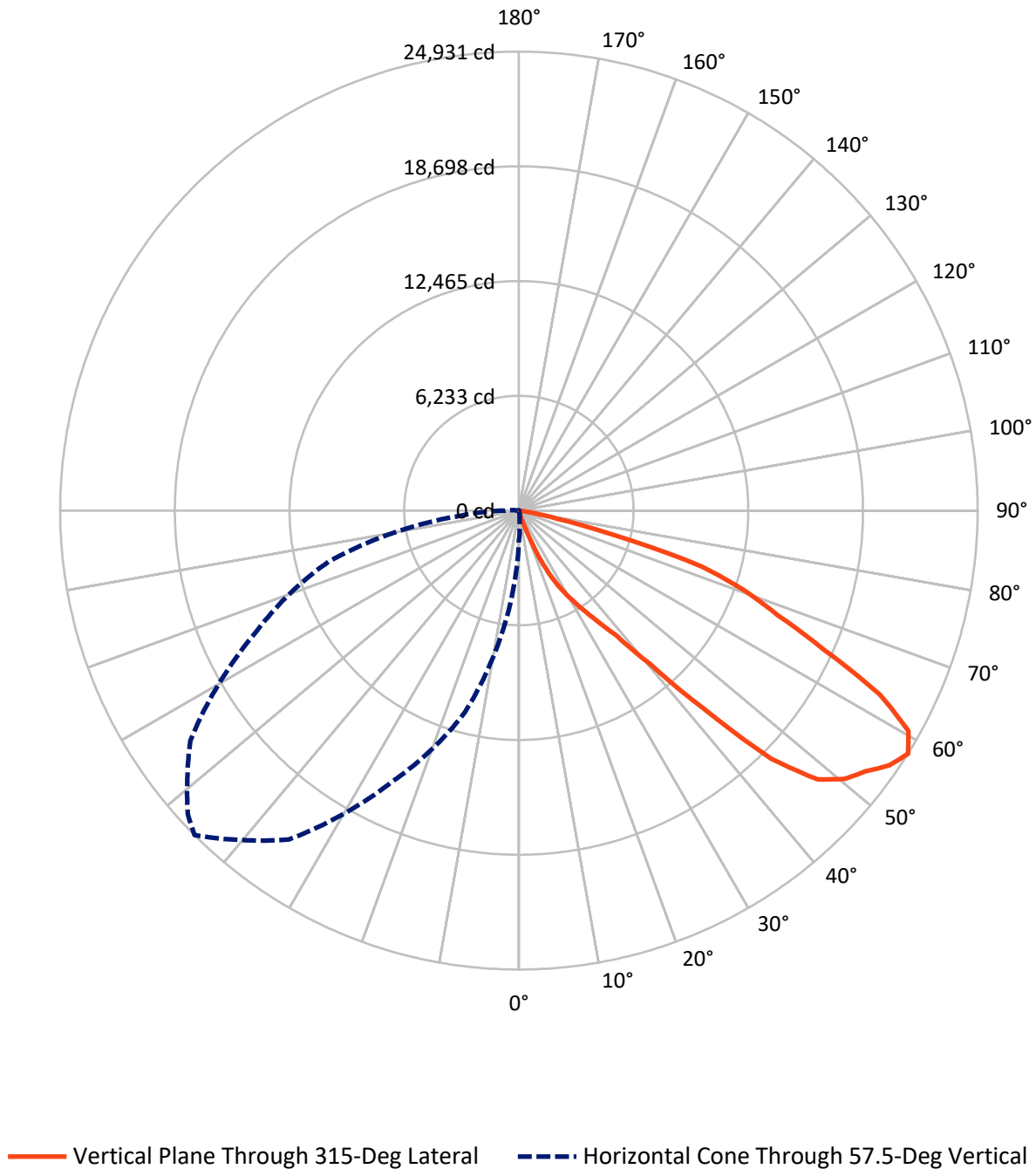
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 1.4 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	48.7	0.0	48.7
	% Fixture	0.5	0.0	0.5
Street Side	Lumens	9673.5	0.0	9673.5
	% Fixture	99.5	0.0	99.5
Total	Lumens	9722.2	0.0	9722.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.8	0.0
10°-20°	21.4	0.2
20°-30°	230.4	2.4
30°-40°	681.3	7.0
40°-50°	2030.6	20.9
50°-60°	3219.8	33.1
60°-70°	2687.7	27.6
70°-80°	828.8	8.5
80°-90°	18.4	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°	9722.2	100.0
0°-180°	9722.2	100.0



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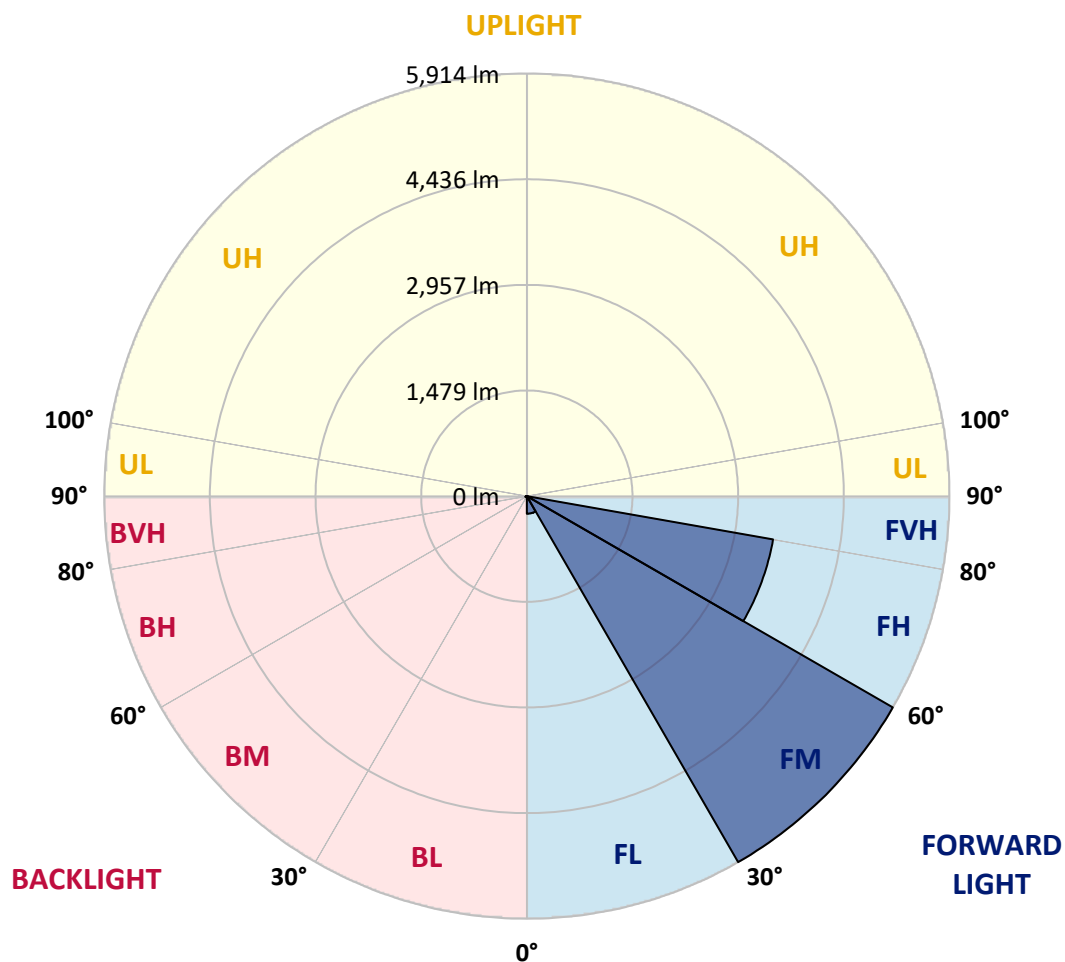
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	246.6	2.5			
FM	(30°-60°)	5914.3	60.8			
FH	(60°-80°)	3498.3	36.0			G2/5000
FVH	(80°-90°)	14.2	0.1			G1/100
BL	(0°-30°)	8.9	0.1	B0/110		
BM	(30°-60°)	17.4	0.2	B0/220		
BH	(60°-80°)	18.2	0.2	B0/110		G0/110
BVH	(80°-90°)	4.2	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°	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
2.5°	38.9	38.9	38.9	38.9	38.2	38.2	37.5	37.5	36.7	36.7
5°	41.1	41.1	40.4	39.7	39.7	38.9	38.2	37.5	37.5	36.7
7.5°	44.8	44.1	43.3	42.6	41.1	40.4	38.9	38.2	37.5	36.0
10°	49.2	47.8	46.3	44.8	43.3	41.9	40.4	39.7	38.2	37.5
12.5°	55.1	52.9	50.0	47.8	46.3	44.1	42.6	41.1	38.9	37.5
15°	60.2	57.3	53.6	50.7	48.5	45.6	43.3	41.1	39.7	37.5
17.5°	67.6	62.4	56.6	52.9	50.0	46.3	42.6	40.4	38.2	35.3
20°	80.1	69.8	58.8	54.4	50.0	45.6	41.1	38.2	36.0	33.1
22.5°	99.9	82.3	64.7	58.0	52.2	45.6	39.7	36.7	33.8	30.9
25°	138.1	106.5	74.9	66.1	57.3	48.5	39.7	36.0	33.1	29.4
27.5°	183.7	136.7	88.9	76.4	64.7	52.2	39.7	35.3	31.6	27.2
30°	230.0	167.5	104.3	88.2	72.0	55.8	39.7	34.5	30.1	25.0
32.5°	274.0	196.2	117.6	98.4	79.3	59.5	40.4	34.5	28.7	22.8
35°	318.9	219.7	119.8	99.9	80.1	59.5	39.7	33.1	27.2	20.6
37.5°	376.2	246.1	115.3	95.5	76.4	56.6	37.5	31.6	25.7	19.1
40°	462.9	290.2	117.6	97.0	76.4	55.8	35.3	29.4	24.2	18.4
42.5°	623.0	375.4	127.1	103.6	80.1	55.8	32.3	27.2	22.8	17.6
45°	1077.1	623.8	170.4	135.2	99.9	64.7	29.4	25.0	21.3	16.9
47.5°	1781.6	1044.0	306.4	236.6	167.5	97.7	28.7	25.0	21.3	16.9
50°	2273.9	1329.8	385.7	296.8	207.9	119.0	30.1	25.7	22.0	17.6
52.5°	2270.2	1350.4	429.8	329.9	230.7	130.8	31.6	27.2	23.5	19.1
55°	2018.2	1228.4	437.9	336.5	235.8	134.4	33.8	29.4	25.0	20.6
57.5°	1686.9	1043.3	399.7	309.3	219.7	129.3	38.9	33.8	29.4	24.2
60°	1334.2	822.9	311.5	246.1	181.5	116.1	51.4	44.8	38.9	32.3
62.5°	921.3	596.6	271.8	218.2	165.3	111.7	58.8	52.2	46.3	39.7
65°	651.7	448.9	245.4	199.8	155.0	109.5	63.9	56.6	50.0	42.6
67.5°	487.1	357.1	226.3	187.3	148.4	109.5	70.5	61.7	53.6	44.8
70°	373.2	293.1	212.3	180.7	149.9	118.3	86.7	74.2	62.4	50.0
72.5°	304.2	250.5	196.2	173.4	150.6	127.8	105.1	88.9	72.7	55.8
75°	252.0	214.5	177.1	158.0	139.6	120.5	101.4	86.7	72.7	58.0
77.5°	167.5	152.8	137.4	126.4	115.3	103.6	92.6	80.1	68.3	55.8
80°	58.8	56.6	54.4	58.8	63.2	67.6	72.0	63.2	55.1	46.3
82.5°	8.8	8.1	7.3	8.1	8.8	9.6	10.3	11.0	11.8	12.5
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°	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
0.0	2.5°	36.0	36.0	35.3	35.3	35.3	34.5	34.5	33.8	33.8	33.8
0.0	5°	35.3	35.3	34.5	33.8	33.1	33.1	32.3	31.6	31.6	30.9
0.0	7.5°	34.5	33.8	33.1	32.3	31.6	30.9	30.1	29.4	29.4	28.7
0.0	10°	35.3	33.8	33.1	31.6	30.9	30.1	28.7	27.9	27.2	27.2
0.0	12.5°	33.8	33.1	31.6	30.1	29.4	27.9	27.2	25.7	25.0	25.0
0.0	15°	33.8	32.3	30.1	28.7	27.2	26.4	25.0	23.5	22.8	22.0
0.0	17.5°	31.6	30.1	27.9	26.4	25.0	23.5	22.0	20.6	19.8	19.1
0.0	20°	28.7	27.2	25.0	22.8	21.3	19.8	18.4	16.9	16.2	15.4
0.0	22.5°	25.7	24.2	22.0	19.8	18.4	16.9	14.7	13.2	12.5	11.0
0.0	25°	24.2	22.0	19.8	17.6	15.4	14.0	11.8	9.6	8.1	6.6
0.0	27.5°	20.6	18.4	16.2	14.0	11.8	9.6	7.3	5.1	3.7	2.9
0.0	30°	17.6	15.4	13.2	11.0	8.1	5.9	3.7	0.7	0.7	0.7
0.0	32.5°	14.7	12.5	9.6	7.3	5.9	3.7	2.2	0.0	0.0	0.0
0.0	35°	11.8	9.6	6.6	4.4	3.7	2.2	1.5	0.0	0.0	0.0
0.0	37.5°	10.3	8.1	5.1	2.2	1.5	1.5	0.7	0.0	0.0	0.0
0.0	40°	9.6	6.6	3.7	0.7	0.7	0.7	0.0	0.0	0.0	0.0
0.0	42.5°	9.6	6.6	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	9.6	6.6	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	9.6	6.6	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	10.3	7.3	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	11.8	8.8	5.9	2.9	2.2	1.5	0.7	0.0	0.0	0.0
0.0	55°	14.7	13.2	11.0	9.6	7.3	5.1	2.2	0.0	0.0	0.0
0.0	57.5°	19.1	19.1	18.4	17.6	13.2	8.8	4.4	0.0	0.0	0.0
0.0	60°	25.7	25.7	25.7	25.7	19.1	13.2	6.6	0.0	0.0	0.0
0.0	62.5°	31.6	30.1	27.9	26.4	19.8	13.2	6.6	0.0	0.0	0.0
0.0	65°	31.6	28.7	25.0	21.3	16.2	11.0	5.1	0.0	0.0	0.0
0.0	67.5°	29.4	23.5	16.9	11.0	8.1	5.9	2.9	0.0	0.0	0.0
	70°	29.4	20.6	11.8	2.9	2.2	1.5	0.7	0.0	0.0	0.0
	72.5°	29.4	19.8	9.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	75°	32.3	22.0	11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	77.5°	32.3	22.0	11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	80°	28.7	19.1	9.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	82.5°	9.6	6.6	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

[illegible]

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CANDELA DISTRIBUTION (continued):

52.5°		55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°
0.0	0°	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
0.0	2.5°	33.1	33.1	33.1	32.3	32.3	32.3	32.3	31.6	31.6	31.6
0.0	5°	30.1	30.1	29.4	29.4	28.7	28.7	27.9	27.9	27.2	27.2
0.0	7.5°	27.9	27.2	27.2	26.4	25.7	25.7	25.0	25.0	24.2	23.5
0.0	10°	25.7	25.0	25.0	24.2	23.5	22.8	22.8	22.0	21.3	20.6
0.0	12.5°	23.5	22.8	22.0	21.3	20.6	19.8	19.8	19.1	18.4	17.6
0.0	15°	20.6	19.8	19.1	18.4	17.6	16.9	16.9	16.2	15.4	14.7
0.0	17.5°	17.6	16.9	16.9	16.2	15.4	14.7	14.0	12.5	11.8	11.0
0.0	20°	13.2	12.5	11.8	11.0	10.3	8.8	8.1	6.6	5.1	4.4
0.0	22.5°	8.8	7.3	6.6	5.1	3.7	2.9	2.2	0.7	0.0	0.0
0.0	25°	2.9	2.2	1.5	0.7	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: P1048965

CATALOG NUMBER: GALN-SA3A-730-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1048965

CATALOG NUMBER: GALN-SA3A-730-U-RBC

CANDELA DISTRIBUTION (continued):

80°		82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°
0.0	0°	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
0.0	2.5°	30.9	30.9	30.9	30.1	30.1	30.1	30.1	30.1	30.1	30.1
0.0	5°	26.4	26.4	26.4	25.7	25.7	25.0	25.0	25.0	24.2	24.2
0.0	7.5°	22.8	22.0	22.0	21.3	21.3	20.6	20.6	20.6	19.8	19.8
0.0	10°	19.1	18.4	18.4	17.6	17.6	16.9	16.9	16.2	16.2	15.4
0.0	12.5°	16.9	16.2	15.4	14.7	14.7	14.0	13.2	13.2	12.5	11.8
0.0	15°	13.2	12.5	11.8	11.0	10.3	9.6	8.8	8.8	8.1	7.3
0.0	17.5°	8.8	7.3	6.6	5.9	5.9	5.1	4.4	3.7	2.9	2.2
0.0	20°	2.2	1.5	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	32.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1048965

CATALOG NUMBER: GALN-SA3A-730-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°	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
0.0	2.5°	30.1	29.4	29.4	29.4	30.1	30.1	30.1	30.1	30.1	30.1
0.0	5°	24.2	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5
0.0	7.5°	19.8	19.1	19.1	19.1	19.1	18.4	18.4	18.4	18.4	18.4
0.0	10°	15.4	14.7	14.7	14.7	14.7	14.0	14.0	14.0	14.0	14.0
0.0	12.5°	11.0	11.0	10.3	10.3	10.3	9.6	9.6	9.6	9.6	8.8
0.0	15°	6.6	5.9	5.1	5.1	5.1	4.4	4.4	4.4	4.4	3.7
0.0	17.5°	1.5	1.5	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.0
0.0	20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	32.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1048965

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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°	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
0.0	2.5°	30.9	30.9	31.6	31.6	32.3	33.8	34.5	35.3	36.7	38.2
0.0	5°	24.2	25.0	25.0	25.7	26.4	27.2	27.9	28.7	30.1	31.6
0.0	7.5°	19.1	19.1	19.8	19.8	20.6	22.0	22.8	23.5	25.0	27.2
0.0	10°	14.7	14.7	15.4	15.4	16.2	17.6	18.4	19.1	20.6	22.8
0.0	12.5°	9.6	10.3	10.3	11.0	11.8	13.2	14.0	14.7	16.2	17.6
0.0	15°	4.4	5.1	5.1	5.9	6.6	8.1	8.8	9.6	11.0	13.2
0.0	17.5°	0.7	0.7	1.5	1.5	2.2	2.9	3.7	4.4	6.6	8.1
0.0	20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	2.9
0.0	22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
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]

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CANDELA DISTRIBUTION (continued):

162.5°		165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°
0.0	0°	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
0.0	2.5°	40.4	41.9	43.3	44.8	46.3	47.8	48.5	50.0	50.7	51.4
0.0	5°	34.5	36.0	38.2	39.7	41.1	42.6	44.1	44.8	45.6	46.3
0.0	7.5°	30.1	31.6	33.8	35.3	36.7	38.2	39.7	41.1	41.9	42.6
0.0	10°	25.7	27.9	29.4	31.6	33.1	34.5	36.0	37.5	38.9	39.7
0.0	12.5°	20.6	22.8	25.0	26.4	28.7	30.9	32.3	33.8	35.3	36.7
0.0	15°	16.2	18.4	20.6	22.0	24.2	26.4	28.7	30.1	31.6	33.1
0.0	17.5°	11.8	14.0	16.2	17.6	19.8	22.0	23.5	25.7	27.2	28.7
0.0	20°	5.9	8.1	10.3	12.5	14.7	16.9	18.4	20.6	22.0	23.5
0.0	22.5°	0.7	2.9	5.1	6.6	8.8	11.0	12.5	14.7	16.2	17.6
0.0	25°	0.0	0.7	2.2	2.9	3.7	5.1	6.6	8.1	9.6	11.0
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	0.7	1.5	2.9	4.4	5.9
0.0	30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
0.0	32.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
	82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	1.5
	85°	0.0	0.0	0.0	0.0	0.0	1.5	2.2	3.7	4.4	5.1
	87.5°	0.0	0.7	1.5	2.2	2.9	4.4	5.9	7.3	8.1	8.8
	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: P1048965

CATALOG NUMBER: GALN-SA3A-730-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1048965

CATALOG NUMBER: GALN-SA3A-730-U-RBC

CANDELA DISTRIBUTION (continued):

190°		192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°
0.0	0°	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
0.0	2.5°	52.2	52.2	52.2	52.2	51.4	51.4	51.4	50.7	50.7	50.0
0.0	5°	47.8	48.5	48.5	48.5	48.5	48.5	48.5	48.5	47.8	47.8
0.0	7.5°	44.1	44.8	45.6	45.6	46.3	46.3	46.3	45.6	45.6	44.8
0.0	10°	41.9	42.6	42.6	43.3	43.3	43.3	43.3	43.3	43.3	43.3
0.0	12.5°	38.9	39.7	40.4	40.4	41.1	41.1	41.1	41.1	40.4	40.4
0.0	15°	35.3	36.7	37.5	38.2	38.2	38.9	38.9	38.9	38.9	38.9
0.0	17.5°	32.3	33.8	34.5	35.3	35.3	36.0	36.0	36.7	36.7	36.7
0.0	20°	26.4	27.9	28.7	30.1	30.9	31.6	32.3	33.1	33.1	33.8
0.0	22.5°	20.6	22.0	22.8	24.2	25.0	25.7	26.4	27.2	27.9	28.7
0.0	25°	14.7	16.2	16.9	18.4	19.1	19.8	20.6	21.3	21.3	22.0
0.0	27.5°	8.1	9.6	11.0	11.8	13.2	14.0	14.7	15.4	16.2	16.9
0.0	30°	3.7	4.4	5.1	6.6	7.3	8.1	8.8	10.3	11.0	11.8
0.0	32.5°	0.0	0.0	0.7	2.2	2.9	3.7	4.4	5.1	5.1	5.9
0.0	35°	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.5	2.2	2.9
0.0	37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	80°	1.5	1.5	1.5	2.2	2.2	2.2	2.2	2.2	2.2	2.2
	82.5°	3.7	4.4	5.1	5.1	5.9	5.9	5.9	5.9	5.1	5.1
	85°	7.3	8.1	8.8	8.8	9.6	9.6	9.6	9.6	9.6	9.6
	87.5°	10.3	11.0	11.8	11.8	12.5	12.5	12.5	12.5	12.5	12.5
	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: P1048965

CATALOG NUMBER: GALN-SA3A-730-U-RBC

CANDELA DISTRIBUTION (continued):

217.5°		192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°
42.6	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50.0	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.8	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44.8	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43.3	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40.4	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38.9	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36.7	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33.1	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28.7	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22.8	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.6	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.5	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.3	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.4	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.5	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.5	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.7	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.7	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.7	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.7	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.7	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											
2.2											
5.1											
9.6											
12.5											
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REPORT NUMBER: P1048965

CATALOG NUMBER: GALN-SA3A-730-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°	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
0.0	2.5°	49.2	49.2	48.5	48.5	48.5	48.5	48.5	49.2	50.0	50.0
0.0	5°	47.0	47.0	46.3	46.3	46.3	47.0	47.0	47.8	48.5	49.2
0.0	7.5°	44.8	44.1	44.1	44.8	44.8	45.6	45.6	46.3	47.0	47.8
0.0	10°	43.3	42.6	42.6	42.6	43.3	43.3	44.1	44.8	45.6	46.3
0.0	12.5°	40.4	40.4	40.4	40.4	41.1	41.1	41.9	42.6	44.1	44.8
0.0	15°	38.9	38.2	38.2	38.2	38.2	38.9	38.9	40.4	41.9	42.6
0.0	17.5°	36.0	36.0	35.3	35.3	36.0	36.0	36.7	38.2	39.7	40.4
0.0	20°	33.1	32.3	31.6	31.6	32.3	32.3	33.1	34.5	36.0	36.7
0.0	22.5°	28.7	27.9	27.9	27.9	27.9	28.7	28.7	30.1	32.3	33.8
0.0	25°	22.8	23.5	23.5	24.2	24.2	25.0	25.7	27.2	29.4	30.9
0.0	27.5°	17.6	18.4	18.4	19.8	20.6	21.3	22.0	24.2	26.4	27.9
0.0	30°	13.2	14.0	14.7	15.4	16.9	18.4	19.8	22.0	24.2	25.7
0.0	32.5°	8.1	9.6	10.3	11.8	13.2	14.7	16.2	18.4	21.3	23.5
0.0	35°	5.9	6.6	8.1	8.8	10.3	11.8	13.2	16.2	18.4	21.3
0.0	37.5°	2.9	4.4	5.9	7.3	8.8	10.3	11.8	14.7	17.6	19.8
0.0	40°	2.2	3.7	4.4	5.9	8.1	9.6	11.0	14.0	16.9	19.8
0.0	42.5°	1.5	2.2	2.9	5.1	6.6	8.8	11.0	14.0	16.9	19.8
0.0	45°	1.5	1.5	2.2	4.4	6.6	9.6	11.8	14.7	16.9	19.8
0.0	47.5°	1.5	2.2	2.9	5.9	7.3	9.6	11.8	14.0	16.9	19.1
0.0	50°	2.2	2.9	3.7	6.6	8.1	10.3	11.8	14.7	16.9	19.8
0.0	52.5°	1.5	2.2	2.9	5.9	8.1	11.0	13.2	16.2	19.1	21.3
0.0	55°	0.7	0.7	0.7	4.4	8.8	12.5	16.9	19.1	22.0	24.2
0.0	57.5°	0.0	0.0	0.0	2.9	8.8	14.0	19.1	22.0	25.0	27.2
0.0	60°	0.0	0.0	0.0	2.9	8.8	14.0	19.1	22.8	26.4	30.1
0.0	62.5°	0.0	0.0	0.0	2.9	7.3	11.8	16.2	22.0	28.7	34.5
0.0	65°	0.0	0.0	0.0	2.2	5.9	9.6	13.2	22.0	30.9	38.9
0.0	67.5°	0.0	0.0	0.0	2.2	5.9	8.8	12.5	22.0	30.9	40.4
	70°	0.0	0.0	0.0	2.2	5.9	9.6	13.2	22.0	30.9	39.7
	72.5°	0.0	0.0	0.0	2.2	6.6	10.3	14.7	22.0	29.4	36.7
	75°	0.0	0.0	0.0	2.9	6.6	11.0	15.4	22.0	28.7	34.5
	77.5°	0.0	0.0	0.0	2.2	6.6	10.3	14.7	21.3	27.9	33.8
	80°	2.2	1.5	1.5	3.7	6.6	9.6	12.5	19.1	26.4	33.1
	82.5°	4.4	4.4	3.7	5.1	6.6	8.8	11.0	16.9	23.5	29.4
	85°	8.8	8.8	8.1	8.8	8.8	9.6	10.3	13.2	16.2	19.1
	87.5°	11.8	11.8	11.0	11.0	11.0	10.3	10.3	10.3	10.3	9.6
	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: P1048965

CATALOG NUMBER: GALN-SA3A-730-U-RBC

CANDELA DISTRIBUTION (continued):

245°		220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°
42.6	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50.7	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50.0	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48.5	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.0	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45.6	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44.1	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41.9	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38.2	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35.3	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32.3	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30.1	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27.9	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25.7	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23.5	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22.8	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22.8	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22.8	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22.0	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21.3	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22.0	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24.2	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26.4	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30.1	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33.8	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40.4	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.8	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49.2	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48.5											
44.1											
41.1											
40.4											
39.7											
35.3											
22.0											
9.6											
0.0											
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0.0											

REPORT NUMBER: P1048965

CATALOG NUMBER: GALN-SA3A-730-U-RBC

CANDELA DISTRIBUTION (continued):

245°		247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°
0.0	0°	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
0.0	2.5°	51.4	52.2	52.2	52.9	53.6	54.4	54.4	55.1	55.1	55.1
0.0	5°	50.7	52.2	52.9	53.6	54.4	55.1	55.8	56.6	57.3	57.3
0.0	7.5°	50.0	50.7	52.2	52.9	54.4	55.1	56.6	57.3	58.0	58.8
0.0	10°	48.5	50.0	51.4	52.9	54.4	55.8	57.3	58.8	60.2	61.0
0.0	12.5°	47.0	49.2	50.7	52.2	54.4	56.6	58.0	60.2	61.7	63.2
0.0	15°	46.3	47.8	50.0	51.4	54.4	57.3	59.5	62.4	65.4	67.6
0.0	17.5°	44.1	47.0	49.2	51.4	54.4	58.0	61.0	63.9	68.3	72.7
0.0	20°	41.1	43.3	46.3	48.5	52.9	56.6	61.0	64.7	71.3	77.9
0.0	22.5°	38.2	41.1	43.3	46.3	51.4	55.8	61.0	65.4	76.4	86.7
0.0	25°	35.3	38.9	41.9	44.8	50.7	56.6	62.4	68.3	86.7	105.1
0.0	27.5°	33.8	36.7	40.4	43.3	50.7	58.8	66.1	73.5	102.9	131.5
0.0	30°	31.6	35.3	38.2	41.9	51.4	61.0	70.5	80.1	124.9	169.7
0.0	32.5°	29.4	33.1	36.7	40.4	52.9	65.4	77.1	89.6	148.4	206.4
0.0	35°	27.2	31.6	35.3	38.9	55.1	72.0	88.2	104.3	169.7	234.4
0.0	37.5°	26.4	30.9	34.5	38.2	55.8	72.7	90.4	107.3	171.9	236.6
0.0	40°	27.2	30.9	35.3	38.9	53.6	68.3	82.3	97.0	164.6	231.4
0.0	42.5°	27.2	31.6	36.0	40.4	52.2	63.9	75.7	87.4	162.4	237.3
0.0	45°	26.4	30.9	35.3	39.7	50.7	61.0	72.0	82.3	175.6	268.2
0.0	47.5°	25.7	30.1	34.5	38.9	50.0	61.0	72.0	83.0	227.0	370.3
0.0	50°	25.7	30.1	33.8	37.5	50.7	64.7	77.9	91.1	330.6	569.4
0.0	52.5°	27.2	30.9	33.8	36.7	52.2	68.3	83.8	99.2	420.2	740.6
0.0	55°	29.4	31.6	34.5	36.7	55.8	74.2	93.3	111.7	447.4	783.2
0.0	57.5°	32.3	34.5	36.7	38.9	62.4	86.0	108.7	132.2	449.6	766.3
0.0	60°	36.0	38.9	41.1	43.3	68.3	94.0	119.0	144.0	407.0	669.3
0.0	62.5°	44.1	47.8	50.7	54.4	78.6	102.1	126.4	149.9	338.0	526.0
0.0	65°	50.7	53.6	56.6	59.5	83.0	107.3	130.8	154.3	286.5	418.8
0.0	67.5°	52.2	55.1	57.3	60.2	84.5	108.7	132.2	156.5	245.4	333.6
	70°	52.9	56.6	61.0	64.7	89.6	114.6	138.9	163.8	217.5	271.1
	72.5°	50.7	58.0	64.7	71.3	94.8	117.6	141.1	163.8	202.0	240.2
	75°	50.7	61.0	70.5	80.1	97.7	114.6	132.2	149.1	178.5	207.9
	77.5°	53.6	66.9	80.1	93.3	103.6	113.1	123.4	133.0	152.1	171.2
	80°	53.6	67.6	80.8	94.8	99.2	104.3	108.7	113.1	115.3	117.6
	82.5°	46.3	57.3	68.3	79.3	74.2	69.1	63.9	58.8	55.1	50.7
	85°	23.5	25.7	27.2	28.7	26.4	24.2	22.0	19.8	18.4	16.2
	87.5°	9.6	9.6	8.8	8.8	8.8	8.8	8.1	8.1	8.1	8.1
	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1048965

CATALOG NUMBER: GALN-SA3A-730-U-RBC

CANDELA DISTRIBUTION (continued):

272.5°		247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°
42.6	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55.1	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.3	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59.5	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.4	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65.4	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
71.3	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
78.6	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90.4	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115.3	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
156.5	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
217.5	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
294.6	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
368.1	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
418.0	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
455.5	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
493.0	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
566.5	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
713.4	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1087.4	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1665.6	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2096.8	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2144.6	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1935.2	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1654.5	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1293.1	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
977.1	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
721.5	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
510.6											
379.8											
276.2											
207.9											
116.8											
52.9											
15.4											
7.3											
0.0											
0.0											
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REPORT NUMBER: P1048965

CATALOG NUMBER: GALN-SA3A-730-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°	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
0.0	2.5°	55.1	54.4	54.4	53.6	52.9	52.2	51.4	50.7	50.0	49.2
0.0	5°	57.3	57.3	57.3	56.6	56.6	55.8	55.8	55.1	54.4	53.6
0.0	7.5°	59.5	60.2	60.2	61.0	61.0	61.0	61.0	60.2	60.2	60.2
0.0	10°	63.2	63.9	64.7	65.4	66.1	66.9	66.9	67.6	67.6	67.6
0.0	12.5°	67.6	69.8	71.3	73.5	74.9	77.1	78.6	80.8	82.3	83.8
0.0	15°	74.2	77.9	82.3	86.0	89.6	94.8	100.7	105.8	110.9	119.0
0.0	17.5°	83.8	95.5	107.3	118.3	130.0	155.8	181.5	206.4	232.2	269.6
0.0	20°	102.1	137.4	171.9	207.2	241.7	332.1	421.7	512.1	601.7	698.0
0.0	22.5°	143.3	230.0	316.7	403.3	490.0	678.9	866.9	1055.8	1243.8	1465.0
0.0	25°	207.9	367.3	526.8	685.5	844.9	1140.2	1436.3	1731.7	2027.0	2314.3
0.0	27.5°	302.7	546.6	790.5	1033.7	1277.6	1678.0	2079.2	2479.6	2880.0	3204.7
0.0	30°	419.5	750.1	1080.7	1411.4	1742.0	2197.5	2653.0	3107.8	3563.3	3918.1
0.0	32.5°	529.7	934.5	1339.4	1743.4	2148.3	2666.9	3186.4	3705.1	4223.8	4611.7
0.0	35°	601.7	1091.0	1581.1	2070.4	2559.7	3121.0	3682.3	4242.9	4804.2	5247.2
0.0	37.5°	673.7	1238.7	1802.9	2367.9	2932.2	3548.6	4165.0	4781.4	5397.8	5945.2
0.0	40°	754.5	1417.2	2079.2	2741.9	3403.8	4134.1	4863.7	5594.0	6323.5	7095.7
0.0	42.5°	894.9	1713.3	2532.5	3351.0	4169.4	5135.5	6101.7	7067.0	8033.2	9135.2
0.0	45°	1158.6	2312.1	3466.3	4619.8	5773.2	7053.1	8333.7	9613.5	10893.3	12359.8
0.0	47.5°	1804.4	3391.4	4977.6	6564.5	8150.7	9532.7	10913.9	12295.9	13677.1	15137.7
0.0	50°	2761.0	4608.0	6455.0	8301.3	10148.4	11398.8	12648.5	13899.0	15148.7	16538.0
0.0	52.5°	3453.1	5377.2	7302.1	9226.3	11150.5	12279.0	13408.2	14536.7	15665.2	16963.4
0.0	55°	3505.2	5418.4	7332.3	9245.4	11158.6	12292.2	13425.8	14559.5	15693.1	17069.2
0.0	57.5°	3103.4	5001.1	6898.1	8795.8	10692.8	11983.6	13273.8	14564.6	15854.7	17342.5
0.0	60°	2639.8	4538.2	6435.9	8334.4	10232.1	11719.1	13206.9	14693.9	16181.0	17574.7
0.0	62.5°	2059.4	4012.2	5965.7	7918.6	9871.4	11381.2	12891.0	14400.0	15909.9	16955.3
0.0	65°	1534.8	3431.0	5327.3	7222.8	9119.1	10328.4	11537.7	12746.2	13955.6	14602.8
0.0	67.5°	1109.4	2744.8	4379.5	6015.0	7649.7	8515.1	9380.6	10245.3	11110.8	11606.0
	70°	750.1	1883.0	3015.2	4148.1	5280.3	5991.4	6703.4	7414.6	8125.7	8794.3
	72.5°	519.4	1155.7	1792.7	2428.9	3065.2	3780.7	4495.6	5211.2	5926.1	6633.6
	75°	344.6	634.0	924.2	1213.7	1503.2	2032.9	2563.4	3093.1	3622.8	4044.5
	77.5°	244.7	331.3	418.8	505.5	592.2	691.3	791.3	890.5	989.6	1140.2
	80°	116.1	127.1	138.1	148.4	159.4	195.4	231.4	267.4	303.4	341.6
	82.5°	55.1	59.5	63.9	67.6	72.0	75.7	79.3	83.0	86.7	83.0
	85°	14.7	14.7	15.4	15.4	15.4	15.4	15.4	15.4	15.4	14.7
	87.5°	6.6	6.6	6.6	6.6	6.6	6.6	6.6	5.9	5.9	5.1
	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1048965

CATALOG NUMBER: GALN-SA3A-730-U-RBC

CANDELA DISTRIBUTION (continued):

300°		275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°
42.6	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48.5	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.9	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59.5	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
68.3	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
84.5	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.8	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
306.4	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
794.9	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1686.1	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2601.6	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3529.5	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4273.7	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5000.3	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5690.2	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6493.2	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7867.9	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10237.3	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13826.3	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16598.3	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17927.3	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18261.6	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18446.0	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18830.3	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18967.7	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18001.5	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15250.8	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12101.9	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9462.2											
7341.1											
4466.2											
1290.9											
379.8											
78.6											
14.0											
5.1											
0.0											
0.0											
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REPORT NUMBER: P1048965

CATALOG NUMBER: GALN-SA3A-730-U-RBC

CANDELA DISTRIBUTION (continued):

300°		302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°
0.0	0°	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
0.0	2.5°	47.8	47.0	46.3	45.6	44.8	43.3	43.3	42.6	42.6
0.0	5°	52.2	51.4	50.7	50.0	50.0	49.2	48.5	48.5	47.8
0.0	7.5°	59.5	58.8	58.0	57.3	57.3	56.6	56.6	55.8	55.8
0.0	10°	68.3	68.3	68.3	68.3	68.3	67.6	67.6	67.6	66.9
0.0	12.5°	86.0	86.7	88.2	89.6	91.8	91.8	91.8	91.1	91.1
0.0	15°	135.9	144.0	149.9	155.8	160.9	172.7	171.2	169.0	167.5
0.0	17.5°	343.8	380.6	400.4	419.5	439.3	493.7	484.9	476.1	468.0
0.0	20°	891.2	987.4	1051.4	1115.3	1179.9	1282.0	1257.1	1232.1	1207.1
0.0	22.5°	1906.5	2127.7	2223.9	2320.2	2415.7	2539.1	2459.0	2378.9	2299.6
0.0	25°	2888.1	3175.4	3337.7	3500.1	3661.7	3732.3	3627.9	3522.9	3418.5
0.0	27.5°	3854.2	4179.0	4322.2	4464.8	4608.0	4755.7	4626.4	4496.3	4367.0
0.0	30°	4628.6	4983.4	5138.5	5292.8	5447.8	5550.6	5416.9	5282.5	5148.8
0.0	32.5°	5388.3	5776.2	5945.9	6115.6	6284.6	6432.3	6267.7	6102.4	5937.8
0.0	35°	6132.5	6575.5	6809.2	7042.8	7276.4	7413.8	7218.4	7022.2	6826.8
0.0	37.5°	7040.6	7587.9	7849.5	8111.0	8372.6	8623.1	8407.9	8191.9	7976.6
0.0	40°	8640.0	9412.2	9813.3	10215.2	10616.4	10939.6	10667.8	10396.0	10124.1
0.0	42.5°	11339.3	12441.3	13018.1	13594.1	14170.8	14675.6	14389.8	14104.0	13818.2
0.0	45°	15292.7	16759.2	17462.3	18164.6	18867.7	19236.6	18825.1	18413.0	18001.5
0.0	47.5°	18058.1	19518.7	20144.6	20770.6	21396.6	21817.5	21314.3	20811.0	20308.5
0.0	50°	19315.9	20705.2	21333.4	21960.8	22589.0	22923.3	22342.1	21760.2	21179.1
0.0	52.5°	19559.1	20857.3	21606.7	22356.8	23106.2	23552.9	22866.7	22179.7	21493.5
0.0	55°	19822.1	21198.2	22067.3	22937.2	23806.4	24425.0	23649.1	22872.6	22096.7
0.0	57.5°	20317.3	21805.1	22672.0	23538.2	24405.1	24930.5	24152.4	23373.6	22595.6
0.0	60°	20361.4	21754.4	22499.3	23245.1	23990.0	24320.7	23576.4	22831.4	22087.2
0.0	62.5°	19047.0	20092.5	20609.7	21126.9	21644.2	22003.4	21226.8	20449.5	19673.0
0.0	65°	15898.1	16545.4	16957.5	17369.7	17781.9	18210.2	17499.0	16787.8	16076.6
0.0	67.5°	12597.1	13092.3	13635.2	14178.2	14721.1	15178.8	14609.4	14039.3	13469.9
	70°	10130.7	10798.6	11409.1	12019.6	12630.2	13004.9	12433.3	11860.9	11289.3
	72.5°	8048.6	8756.1	9266.0	9775.1	10285.0	10376.9	9956.6	9536.4	9116.8
	75°	4887.2	5308.9	5319.2	5328.8	5339.0	5426.5	5078.2	4730.0	4382.5
	77.5°	1441.5	1592.1	1716.3	1839.7	1963.8	2113.7	1985.9	1857.3	1729.5
	80°	417.3	455.5	487.8	519.4	551.8	532.7	502.5	472.4	442.3
	82.5°	74.9	70.5	69.8	69.1	69.1	65.4	59.5	53.6	47.8
	85°	13.2	12.5	11.8	11.0	10.3	9.6	8.1	7.3	5.9
	87.5°	4.4	3.7	2.9	2.2	2.2	0.7	0.7	0.7	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: P1048965

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CANDELA DISTRIBUTION (continued):

325°	327.5°		330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°
0.0	0.0	0°	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
0.0	0.0	2.5°	41.9	41.1	41.1	41.1	41.1	40.4	40.4	40.4	40.4
0.0	0.0	5°	46.3	46.3	45.6	45.6	44.8	44.8	44.1	44.1	43.3
0.0	0.0	7.5°	54.4	53.6	52.9	52.2	51.4	50.0	49.2	48.5	48.5
0.0	0.0	10°	65.4	63.9	63.2	61.7	61.0	59.5	58.0	56.6	55.1
0.0	0.0	12.5°	86.0	83.0	80.8	77.9	74.9	72.7	69.8	67.6	64.7
0.0	0.0	15°	149.1	141.8	133.7	124.2	113.9	104.3	94.0	88.2	81.6
0.0	0.0	17.5°	381.3	343.1	304.2	272.6	241.0	210.1	178.5	155.8	133.0
0.0	0.0	20°	970.5	864.7	758.9	654.6	549.6	445.2	340.2	287.3	234.4
0.0	0.0	22.5°	1826.5	1630.3	1433.4	1243.1	1052.1	861.8	671.5	551.8	432.7
0.0	0.0	25°	2819.0	2572.2	2325.3	2012.3	1698.6	1385.6	1072.7	878.0	683.3
0.0	0.0	27.5°	3668.3	3384.0	3099.7	2719.1	2338.5	1958.0	1577.4	1287.2	997.7
0.0	0.0	30°	4403.8	4098.1	3792.5	3349.5	2906.5	2463.4	2020.4	1657.5	1294.5
0.0	0.0	32.5°	5041.5	4675.6	4309.7	3852.7	3395.8	2938.8	2481.8	2036.6	1591.4
0.0	0.0	35°	5776.9	5350.1	4922.5	4415.5	3907.9	3400.9	2894.0	2391.4	1888.2
0.0	0.0	37.5°	6711.5	6187.6	5663.0	5098.1	4533.1	3968.8	3403.8	2829.3	2254.8
0.0	0.0	40°	8500.4	7824.5	7148.6	6430.8	5712.3	4994.5	4276.7	3571.4	2866.1
0.0	0.0	42.5°	11705.9	10792.7	9879.5	8924.4	7968.5	7013.4	6057.6	5062.8	4067.3
0.0	0.0	45°	15323.6	14190.7	13057.0	11985.1	10912.4	9840.5	8768.6	7403.5	6038.5
0.0	0.0	47.5°	17357.9	16134.7	14911.4	13896.8	12882.2	11867.6	10852.9	9381.3	7909.7
0.0	0.0	50°	18106.6	16861.3	15616.0	14682.2	13747.6	12813.8	11879.3	10405.5	8931.0
0.0	0.0	52.5°	18266.0	16995.7	15725.4	14785.8	13846.1	12907.1	11967.5	10503.2	9039.0
0.0	0.0	55°	18593.7	17230.8	15867.2	14796.1	13724.9	12653.7	11582.5	10094.7	8607.0
0.0	0.0	57.5°	19022.0	17624.6	16227.2	15006.9	13786.6	12567.0	11346.7	9720.0	8093.4
0.0	0.0	60°	18909.6	17693.7	16477.0	15170.0	13862.3	12555.2	11247.5	9458.5	7668.8
0.0	0.0	62.5°	16958.3	15989.9	15020.9	13946.0	12870.4	11795.6	10720.7	8878.8	7036.9
0.0	0.0	65°	13951.1	13244.4	12537.6	11672.9	10807.4	9942.6	9077.9	7426.3	5775.4
0.0	0.0	67.5°	11307.0	10510.6	9713.4	9024.3	8334.4	7645.3	6955.4	5655.7	4356.0
		70°	8983.1	8116.9	7250.0	6577.0	5903.3	5230.3	4557.3	3693.3	2830.1
		72.5°	7133.9	6352.9	5571.9	4854.1	4135.6	3417.8	2699.3	2188.7	1678.0
		75°	3409.7	3097.5	2785.2	2409.8	2034.4	1658.9	1283.5	1060.9	839.0
		77.5°	1263.7	1095.4	926.5	773.6	620.8	468.7	315.9	289.5	263.0
		80°	326.9	285.1	242.4	212.3	181.5	151.3	121.2	109.5	98.4
		82.5°	37.5	34.5	32.3	30.9	28.7	27.2	25.0	22.8	20.6
		85°	2.2	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

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REPORT NUMBER: P1048965

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CANDELA DISTRIBUTION (continued):

352.5°	355°		357.5°	360°
0.0	0.0	0°	42.6	42.6
0.0	0.0	2.5°	39.7	38.9
0.0	0.0	5°	41.9	41.1
0.0	0.0	7.5°	46.3	44.8
0.0	0.0	10°	50.7	49.2
0.0	0.0	12.5°	57.3	55.1
0.0	0.0	15°	64.7	60.2
0.0	0.0	17.5°	77.1	67.6
0.0	0.0	20°	104.3	80.1
0.0	0.0	22.5°	146.9	99.9
0.0	0.0	25°	216.0	138.1
0.0	0.0	27.5°	300.5	183.7
0.0	0.0	30°	399.7	230.0
0.0	0.0	32.5°	487.1	274.0
0.0	0.0	35°	601.0	318.9
0.0	0.0	37.5°	741.3	376.2
0.0	0.0	40°	958.8	462.9
0.0	0.0	42.5°	1350.4	623.0
0.0	0.0	45°	2193.1	1077.1
0.0	0.0	47.5°	3374.5	1781.6
0.0	0.0	50°	4128.3	2273.9
0.0	0.0	52.5°	4190.0	2270.2
0.0	0.0	55°	3824.8	2018.2
0.0	0.0	57.5°	3263.5	1686.9
0.0	0.0	60°	2712.5	1334.2
0.0	0.0	62.5°	2137.2	921.3
0.0	0.0	65°	1562.0	651.7
0.0	0.0	67.5°	1121.9	487.1
		70°	737.6	373.2
		72.5°	480.5	304.2
		75°	323.3	252.0
		77.5°	188.8	167.5
		80°	66.9	58.8
		82.5°	12.5	8.8
		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



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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: SP1-2407-184-4

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-730-U-5WQ

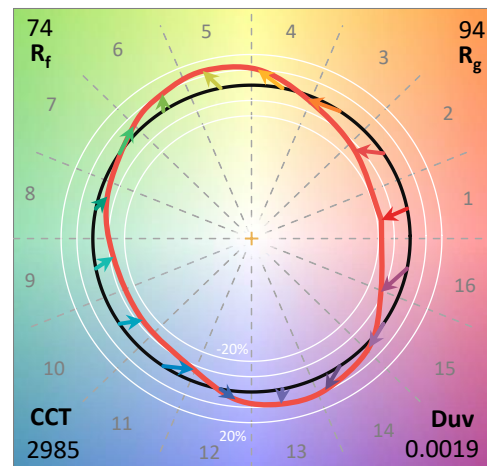
Data in this report applies to families of products including GSS-SB1A-730-U-5WQ

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-4
 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-730-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI
 3000K CCT 26 LEDS

Spectral Parameters

CCT (K):	2985	CRI (Ra):	70.8		
CIE u':	0.2504	R1:	66.3	R9:	-43.2
CIE v':	0.5243	R2:	80.6	R10:	57.6
Duv:	0.0019	R3:	94.5	R11:	64.8
CIE x:	0.4408	R4:	68.2	R12:	53.5
CIE y:	0.4101	R5:	66.5	R13:	68.7
CIE z:	0.1491	R6:	74.7	R14:	97.0
Peak Wavelength (nm):	595	R7:	76.2	R15:	56.4
Dominant Wavelength (nm):	582	R8:	39.6		
Purity:	55.41818				
Rf:	73.8				
Rg:	94.4				



Test Conditions

Stabilization Time: 36M
 Operation Time: 1H 36M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-4

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

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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

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Photopic Flux vs. Wavelength



Photopic Lumens: NR

λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)
360	0	NR	490	142	NR	620	803	NR	750	17	NR	880	0	NR
365	0	NR	495	189	NR	625	734	NR	755	15	NR	885	0	NR
370	0	NR	500	240	NR	630	670	NR	760	13	NR	890	0	NR
375	0	NR	505	290	NR	635	600	NR	765	11	NR	895	0	NR
380	0	NR	510	335	NR	640	535	NR	770	9	NR	900	0	NR
385	0	NR	515	375	NR	645	473	NR	775	8	NR	905	0	NR
390	1	NR	520	408	NR	650	415	NR	780	7	NR	910	0	NR
395	2	NR	525	434	NR	655	362	NR	785	6	NR	915	0	NR
400	4	NR	530	461	NR	660	313	NR	790	5	NR	920	0	NR
405	8	NR	535	486	NR	665	271	NR	795	4	NR	925	0	NR
410	16	NR	540	514	NR	670	231	NR	800	4	NR	930	0	NR
415	33	NR	545	549	NR	675	198	NR	805	3	NR	935	0	NR
420	69	NR	550	591	NR	680	169	NR	810	3	NR	940	0	NR
425	131	NR	555	640	NR	685	144	NR	815	2	NR	945	0	NR
430	227	NR	560	695	NR	690	123	NR	820	2	NR	950	0	NR
435	369	NR	565	757	NR	695	104	NR	825	2	NR	955	0	NR
440	517	NR	570	822	NR	700	88	NR	830	2	NR	960	0	NR
445	498	NR	575	882	NR	705	75	NR	835	1	NR	965	0	NR
450	315	NR	580	935	NR	710	63	NR	840	1	NR	970	0	NR
455	204	NR	585	972	NR	715	54	NR	845	1	NR	975	0	NR
460	145	NR	590	996	NR	720	46	NR	850	1	NR	980	0	NR
465	100	NR	595	1000	NR	725	39	NR	855	1	NR	985	0	NR
470	78	NR	600	989	NR	730	33	NR	860	1	NR	990	0	NR
475	76	NR	605	960	NR	735	28	NR	865	1	NR	995	0	NR
480	83	NR	610	918	NR	740	24	NR	870	1	NR	1000	0	NR
485	105	NR	615	864	NR	745	20	NR	875	1	NR			

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Scotopic Flux vs. Wavelength



Scotopic Lumens: NR

S/P: 1.19

λ (nm)	Power W [^] /nm	Lumens (Φ/nm)	λ (nm)	Power W [^] /nm	Lumens (Φ/nm)	λ (nm)	Power W [^] /nm	Lumens (Φ/nm)	λ (nm)	Power W [^] /nm	Lumens (Φ/nm)	λ (nm)	Power W [^] /nm	Lumens (Φ/nm)
360	0	NR	490	142	NR	620	803	NR	750	17	NR	880	0	NR
365	0	NR	495	189	NR	625	734	NR	755	15	NR	885	0	NR
370	0	NR	500	240	NR	630	670	NR	760	13	NR	890	0	NR
375	0	NR	505	290	NR	635	600	NR	765	11	NR	895	0	NR
380	0	NR	510	335	NR	640	535	NR	770	9	NR	900	0	NR
385	0	NR	515	375	NR	645	473	NR	775	8	NR	905	0	NR
390	1	NR	520	408	NR	650	415	NR	780	7	NR	910	0	NR
395	2	NR	525	434	NR	655	362	NR	785	6	NR	915	0	NR
400	4	NR	530	461	NR	660	313	NR	790	5	NR	920	0	NR
405	8	NR	535	486	NR	665	271	NR	795	4	NR	925	0	NR
410	16	NR	540	514	NR	670	231	NR	800	4	NR	930	0	NR
415	33	NR	545	549	NR	675	198	NR	805	3	NR	935	0	NR
420	69	NR	550	591	NR	680	169	NR	810	3	NR	940	0	NR
425	131	NR	555	640	NR	685	144	NR	815	2	NR	945	0	NR
430	227	NR	560	695	NR	690	123	NR	820	2	NR	950	0	NR
435	369	NR	565	757	NR	695	104	NR	825	2	NR	955	0	NR
440	517	NR	570	822	NR	700	88	NR	830	2	NR	960	0	NR
445	498	NR	575	882	NR	705	75	NR	835	1	NR	965	0	NR
450	315	NR	580	935	NR	710	63	NR	840	1	NR	970	0	NR
455	204	NR	585	972	NR	715	54	NR	845	1	NR	975	0	NR
460	145	NR	590	996	NR	720	46	NR	850	1	NR	980	0	NR
465	100	NR	595	1000	NR	725	39	NR	855	1	NR	985	0	NR
470	78	NR	600	989	NR	730	33	NR	860	1	NR	990	0	NR
475	76	NR	605	960	NR	735	28	NR	865	1	NR	995	0	NR
480	83	NR	610	918	NR	740	24	NR	870	1	NR	1000	0	NR
485	105	NR	615	864	NR	745	20	NR	875	1	NR			

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Melanopic Flux vs. Wavelength


Melanopic Lumens: NR
M/P: 2.13

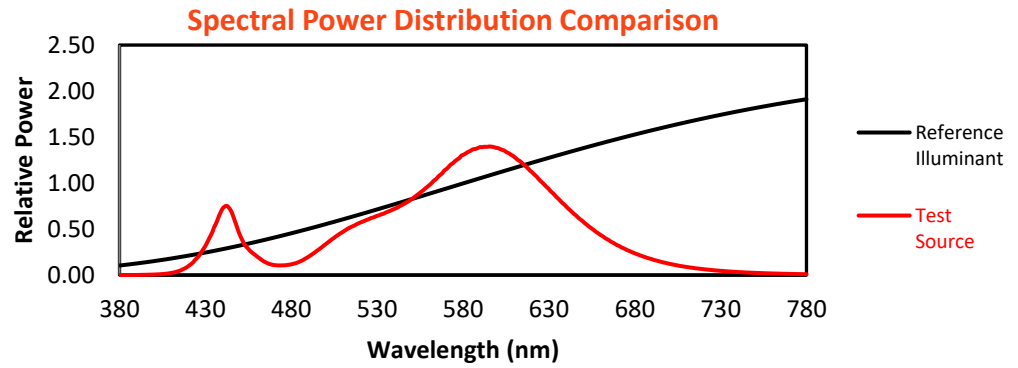
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	142	NR	620	803	NR	750	17	NR	880	0	NR
365	0	NR	495	189	NR	625	734	NR	755	15	NR	885	0	NR
370	0	NR	500	240	NR	630	670	NR	760	13	NR	890	0	NR
375	0	NR	505	290	NR	635	600	NR	765	11	NR	895	0	NR
380	0	NR	510	335	NR	640	535	NR	770	9	NR	900	0	NR
385	0	NR	515	375	NR	645	473	NR	775	8	NR	905	0	NR
390	1	NR	520	408	NR	650	415	NR	780	7	NR	910	0	NR
395	2	NR	525	434	NR	655	362	NR	785	6	NR	915	0	NR
400	4	NR	530	461	NR	660	313	NR	790	5	NR	920	0	NR
405	8	NR	535	486	NR	665	271	NR	795	4	NR	925	0	NR
410	16	NR	540	514	NR	670	231	NR	800	4	NR	930	0	NR
415	33	NR	545	549	NR	675	198	NR	805	3	NR	935	0	NR
420	69	NR	550	591	NR	680	169	NR	810	3	NR	940	0	NR
425	131	NR	555	640	NR	685	144	NR	815	2	NR	945	0	NR
430	227	NR	560	695	NR	690	123	NR	820	2	NR	950	0	NR
435	369	NR	565	757	NR	695	104	NR	825	2	NR	955	0	NR
440	517	NR	570	822	NR	700	88	NR	830	2	NR	960	0	NR
445	498	NR	575	882	NR	705	75	NR	835	1	NR	965	0	NR
450	315	NR	580	935	NR	710	63	NR	840	1	NR	970	0	NR
455	204	NR	585	972	NR	715	54	NR	845	1	NR	975	0	NR
460	145	NR	590	996	NR	720	46	NR	850	1	NR	980	0	NR
465	100	NR	595	1000	NR	725	39	NR	855	1	NR	985	0	NR
470	78	NR	600	989	NR	730	33	NR	860	1	NR	990	0	NR
475	76	NR	605	960	NR	735	28	NR	865	1	NR	995	0	NR
480	83	NR	610	918	NR	740	24	NR	870	1	NR	1000	0	NR
485	105	NR	615	864	NR	745	20	NR	875	1	NR			

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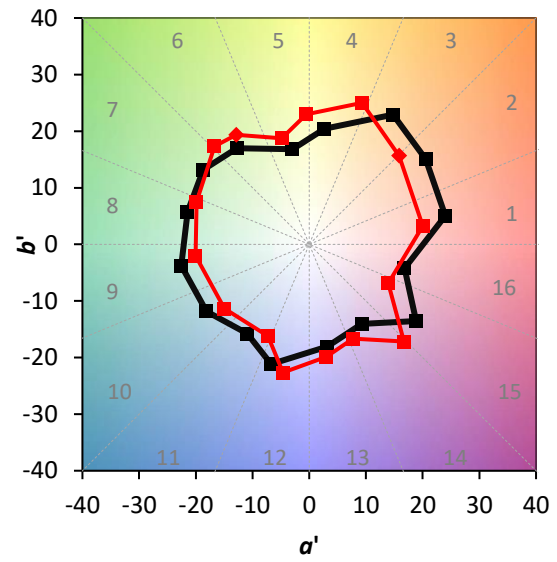
TM-30-18

Summary

$R_f = 73.8$
 $R_g = 94.4$
 $CIE R_a = 70.8$
 $R_g = -43.2$



Color Vector Graphics

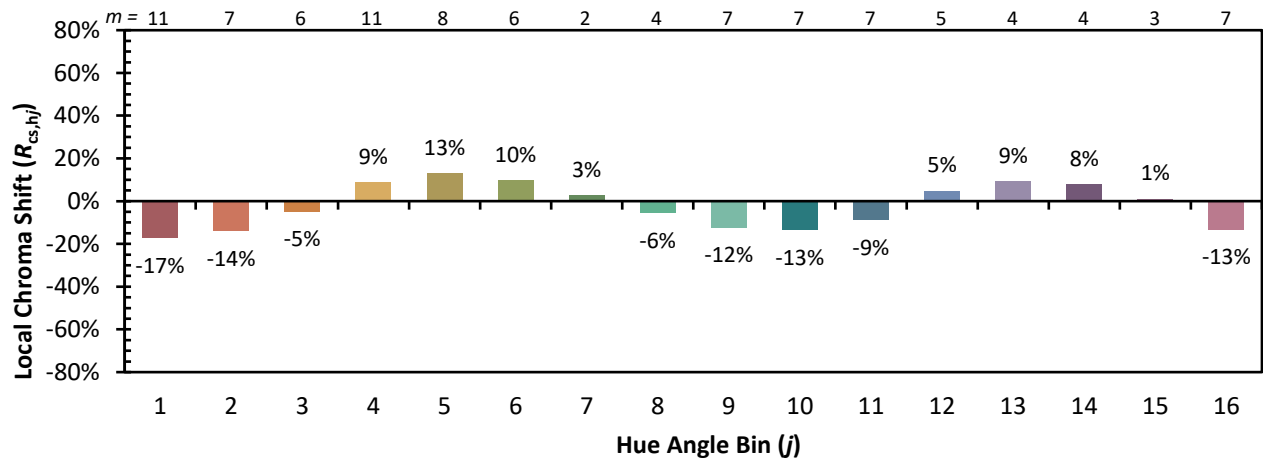


Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 86	CES26 = 63	CES51 = 86	CES76 = 61
CES02 = 62	CES27 = 83	CES52 = 86	CES77 = 81
CES03 = 31	CES28 = 86	CES53 = 75	CES78 = 64
CES04 = 71	CES29 = 58	CES54 = 81	CES79 = 86
CES05 = 49	CES30 = 61	CES55 = 80	CES80 = 86
CES06 = 51	CES31 = 63	CES56 = 71	CES81 = 70
CES07 = 41	CES32 = 61	CES57 = 69	CES82 = 94
CES08 = 40	CES33 = 65	CES58 = 72	CES83 = 88
CES09 = 29	CES34 = 77	CES59 = 85	CES84 = 90
CES10 = 76	CES35 = 88	CES60 = 93	CES85 = 80
CES11 = 59	CES36 = 89	CES61 = 86	CES86 = 60
CES12 = 65	CES37 = 85	CES62 = 81	CES87 = 78
CES13 = 43	CES38 = 69	CES63 = 73	CES88 = 75
CES14 = 74	CES39 = 93	CES64 = 72	CES89 = 66
CES15 = 71	CES40 = 89	CES65 = 67	CES90 = 72
CES16 = 47	CES41 = 83	CES66 = 70	CES91 = 95
CES17 = 50	CES42 = 87	CES67 = 68	CES92 = 59
CES18 = 56	CES43 = 77	CES68 = 73	CES93 = 76
CES19 = 73	CES44 = 99	CES69 = 83	CES94 = 48
CES20 = 66	CES45 = 83	CES70 = 66	CES95 = 70
CES21 = 87	CES46 = 77	CES71 = 66	CES96 = 76
CES22 = 79	CES47 = 74	CES72 = 88	CES97 = 82
CES23 = 92	CES48 = 62	CES73 = 59	CES98 = 73
CES24 = 91	CES49 = 77	CES74 = 93	CES99 = 60
CES25 = 73	CES50 = 85	CES75 = 67	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)