

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: P1049125

Luminaire Tested: **GALN-SA7A-827-U-RBC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1049125
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA7A-827-U-RBC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 615mA 7xLight Square PACKAGE
80CRI 2700K FIXTURE w/ RIGHT CORNER BACKLIGHT CONTROL
Light Source: (98) 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19534.7 lumens
Efficiency: N/A
Efficacy: 101.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G3

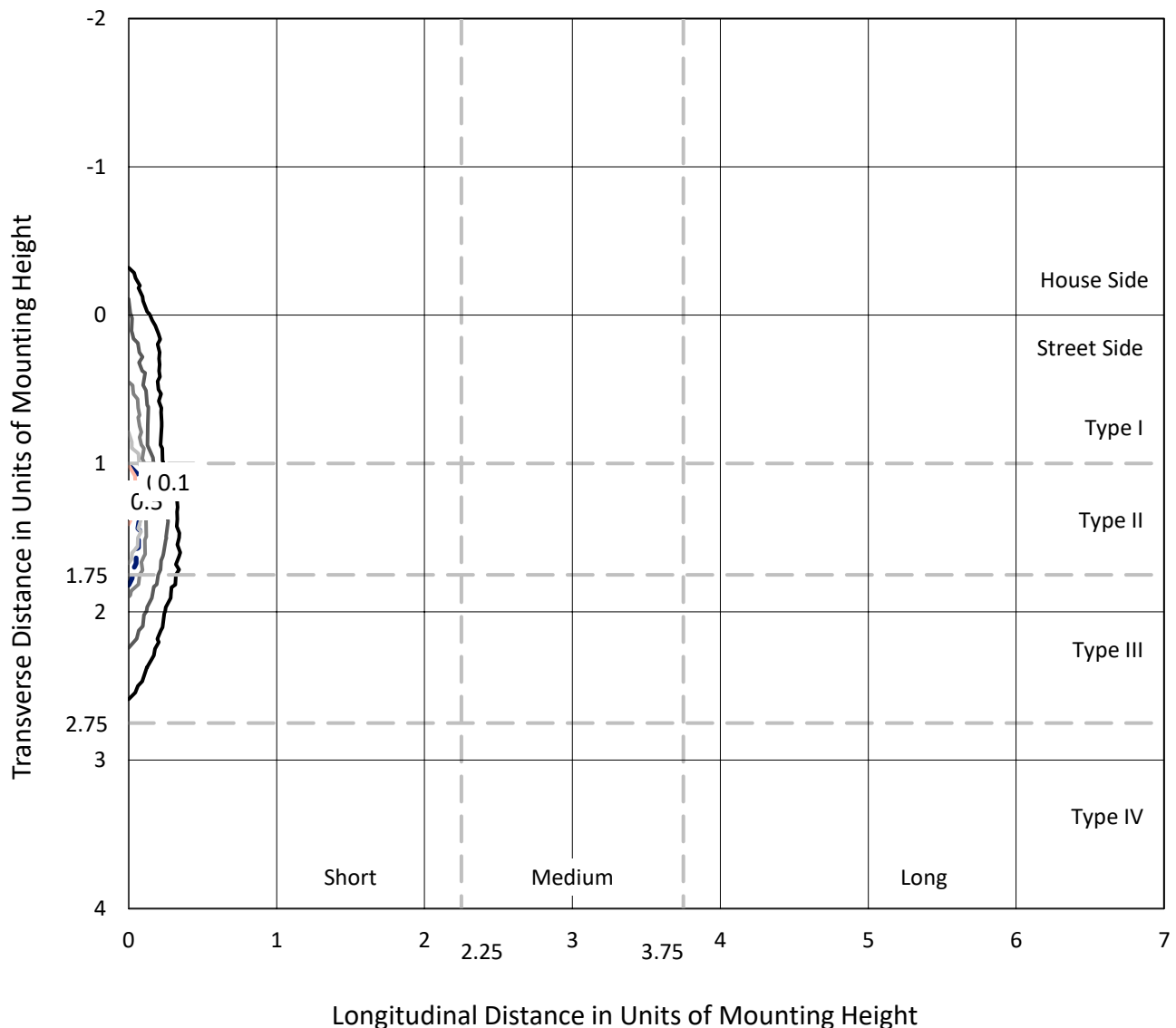
Input Watts (W): 193.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

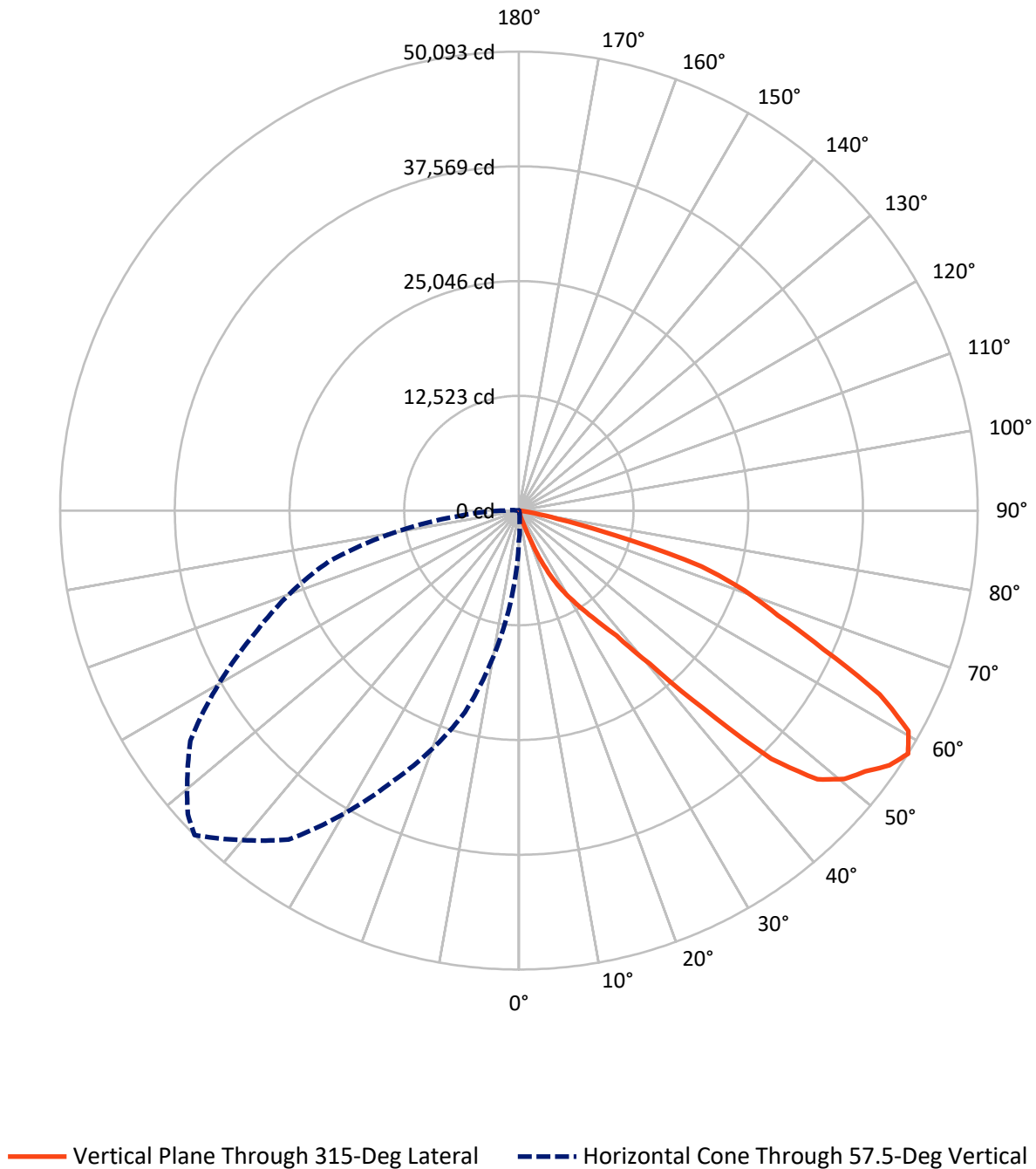


Based on 20 foot mounting height. Maximum calculated value = 2.9 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	97.8	0.0	97.8
	% Fixture	0.5	0.0	0.5
Street Side	Lumens	19436.9	0.0	19436.9
	% Fixture	99.5	0.0	99.5
Total	Lumens	19534.7	0.0	19534.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.7	0.0
10°-20°	42.9	0.2
20°-30°	462.9	2.4
30°-40°	1369.0	7.0
40°-50°	4080.0	20.9
50°-60°	6469.4	33.1
60°-70°	5400.4	27.6
70°-80°	1665.3	8.5
80°-90°	37.0	0.2
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	19534.7	100.0
0°-180°	19534.7	100.0



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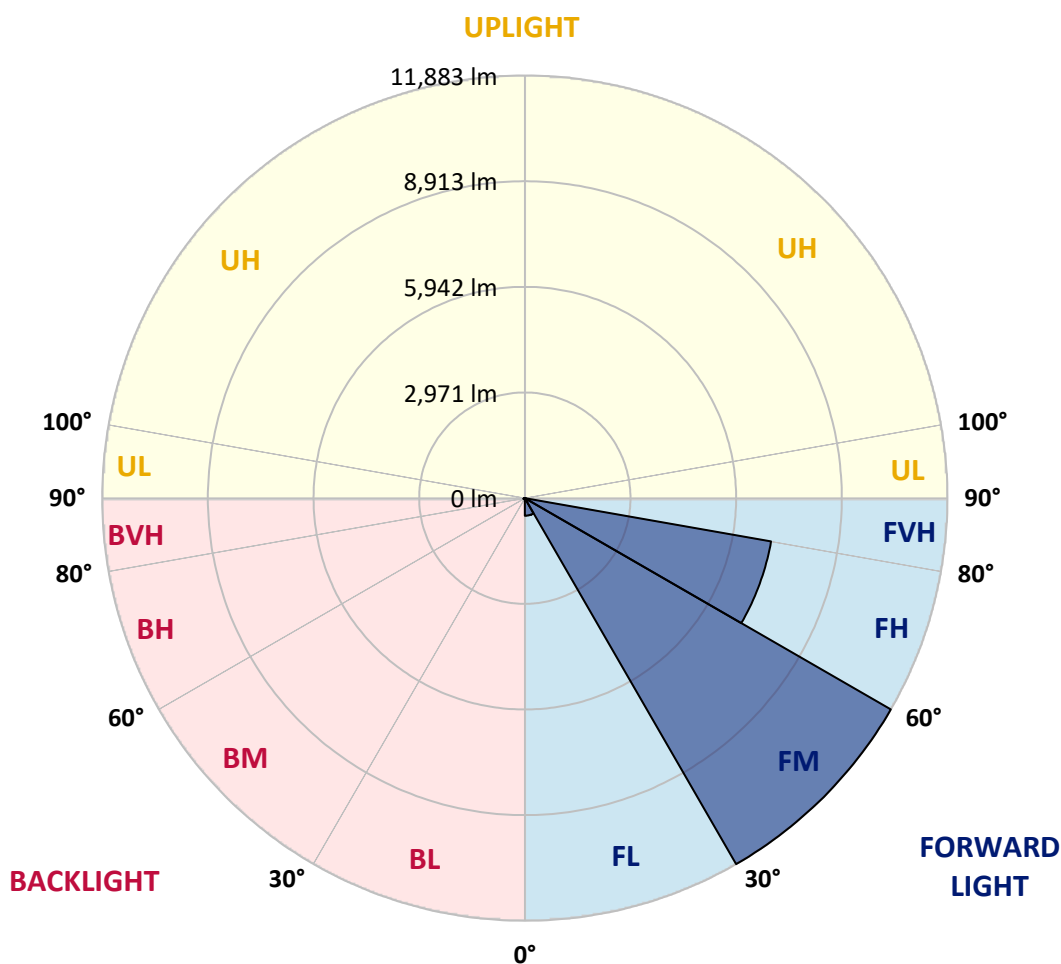
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	495.6	2.5			
FM	(30°-60°)	11883.5	60.8			
FH	(60°-80°)	7029.2	36.0			G3/7500
FVH	(80°-90°)	28.6	0.1			G1/100
BL	(0°-30°)	18.0	0.1	B0/110		
BM	(30°-60°)	35.0	0.2	B0/220		
BH	(60°-80°)	36.5	0.2	B0/110		G0/110
BVH	(80°-90°)	8.4	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G3

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°	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
2.5°	78.2	78.2	78.2	78.2	76.8	76.8	75.3	75.3	73.8	73.8
5°	82.7	82.7	81.2	79.7	79.7	78.2	76.8	75.3	75.3	73.8
7.5°	90.0	88.6	87.1	85.6	82.7	81.2	78.2	76.8	75.3	72.3
10°	98.9	96.0	93.0	90.0	87.1	84.1	81.2	79.7	76.8	75.3
12.5°	110.7	106.3	100.4	96.0	93.0	88.6	85.6	82.7	78.2	75.3
15°	121.0	115.1	107.8	101.9	97.4	91.5	87.1	82.7	79.7	75.3
17.5°	135.8	125.5	113.7	106.3	100.4	93.0	85.6	81.2	76.8	70.9
20°	160.9	140.2	118.1	109.2	100.4	91.5	82.7	76.8	72.3	66.4
22.5°	200.8	165.3	129.9	116.6	104.8	91.5	79.7	73.8	67.9	62.0
25°	277.5	214.1	150.6	132.9	115.1	97.4	79.7	72.3	66.4	59.0
27.5°	369.1	274.6	178.6	153.5	129.9	104.8	79.7	70.9	63.5	54.6
30°	462.1	336.6	209.6	177.1	144.7	112.2	79.7	69.4	60.5	50.2
32.5°	550.6	394.2	236.2	197.8	159.4	119.6	81.2	69.4	57.6	45.8
35°	640.7	441.4	240.6	200.8	160.9	119.6	79.7	66.4	54.6	41.3
37.5°	755.8	494.5	231.8	191.9	153.5	113.7	75.3	63.5	51.7	38.4
40°	930.0	583.1	236.2	194.9	153.5	112.2	70.9	59.0	48.7	36.9
42.5°	1251.8	754.3	255.4	208.1	160.9	112.2	65.0	54.6	45.8	35.4
45°	2164.1	1253.3	342.5	271.6	200.8	129.9	59.0	50.2	42.8	34.0
47.5°	3579.8	2097.7	615.6	475.3	336.6	196.3	57.6	50.2	42.8	34.0
50°	4568.9	2672.0	775.0	596.4	417.8	239.1	60.5	51.7	44.3	35.4
52.5°	4561.5	2713.3	863.6	662.8	463.5	262.8	63.5	54.6	47.2	38.4
55°	4055.2	2468.2	879.8	676.1	473.9	270.1	67.9	59.0	50.2	41.3
57.5°	3389.4	2096.2	803.1	621.5	441.4	259.8	78.2	67.9	59.0	48.7
60°	2680.8	1653.4	625.9	494.5	364.6	233.2	103.3	90.0	78.2	65.0
62.5°	1851.2	1198.7	546.2	438.4	332.1	224.4	118.1	104.8	93.0	79.7
65°	1309.4	902.0	493.1	401.5	311.5	220.0	128.4	113.7	100.4	85.6
67.5°	978.7	717.4	454.7	376.4	298.2	220.0	141.7	124.0	107.8	90.0
70°	749.9	589.0	426.6	363.1	301.1	237.7	174.2	149.1	125.5	100.4
72.5°	611.2	503.4	394.2	348.4	302.6	256.9	211.1	178.6	146.1	112.2
75°	506.3	431.1	355.8	317.4	280.5	242.1	203.7	174.2	146.1	116.6
77.5°	336.6	307.1	276.1	253.9	231.8	208.1	186.0	160.9	137.3	112.2
80°	118.1	113.7	109.2	118.1	127.0	135.8	144.7	127.0	110.7	93.0
82.5°	17.7	16.2	14.8	16.2	17.7	19.2	20.7	22.1	23.6	25.1
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°	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
0.0	2.5°	72.3	72.3	70.9	70.9	70.9	69.4	69.4	67.9	67.9	67.9
0.0	5°	70.9	70.9	69.4	67.9	66.4	66.4	65.0	63.5	63.5	62.0
0.0	7.5°	69.4	67.9	66.4	65.0	63.5	62.0	60.5	59.0	59.0	57.6
0.0	10°	70.9	67.9	66.4	63.5	62.0	60.5	57.6	56.1	54.6	54.6
0.0	12.5°	67.9	66.4	63.5	60.5	59.0	56.1	54.6	51.7	50.2	50.2
0.0	15°	67.9	65.0	60.5	57.6	54.6	53.1	50.2	47.2	45.8	44.3
0.0	17.5°	63.5	60.5	56.1	53.1	50.2	47.2	44.3	41.3	39.9	38.4
0.0	20°	57.6	54.6	50.2	45.8	42.8	39.9	36.9	34.0	32.5	31.0
0.0	22.5°	51.7	48.7	44.3	39.9	36.9	34.0	29.5	26.6	25.1	22.1
0.0	25°	48.7	44.3	39.9	35.4	31.0	28.0	23.6	19.2	16.2	13.3
0.0	27.5°	41.3	36.9	32.5	28.0	23.6	19.2	14.8	10.3	7.4	5.9
0.0	30°	35.4	31.0	26.6	22.1	16.2	11.8	7.4	1.5	1.5	1.5
0.0	32.5°	29.5	25.1	19.2	14.8	11.8	7.4	4.4	0.0	0.0	0.0
0.0	35°	23.6	19.2	13.3	8.9	7.4	4.4	3.0	0.0	0.0	0.0
0.0	37.5°	20.7	16.2	10.3	4.4	3.0	3.0	1.5	0.0	0.0	0.0
0.0	40°	19.2	13.3	7.4	1.5	1.5	1.5	0.0	0.0	0.0	0.0
0.0	42.5°	19.2	13.3	5.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	19.2	13.3	5.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	19.2	13.3	5.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	20.7	14.8	7.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	23.6	17.7	11.8	5.9	4.4	3.0	1.5	0.0	0.0	0.0
0.0	55°	29.5	26.6	22.1	19.2	14.8	10.3	4.4	0.0	0.0	0.0
0.0	57.5°	38.4	38.4	36.9	35.4	26.6	17.7	8.9	0.0	0.0	0.0
0.0	60°	51.7	51.7	51.7	51.7	38.4	26.6	13.3	0.0	0.0	0.0
0.0	62.5°	63.5	60.5	56.1	53.1	39.9	26.6	13.3	0.0	0.0	0.0
0.0	65°	63.5	57.6	50.2	42.8	32.5	22.1	10.3	0.0	0.0	0.0
0.0	67.5°	59.0	47.2	34.0	22.1	16.2	11.8	5.9	0.0	0.0	0.0
	70°	59.0	41.3	23.6	5.9	4.4	3.0	1.5	0.0	0.0	0.0
	72.5°	59.0	39.9	19.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	75°	65.0	44.3	22.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	77.5°	65.0	44.3	22.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	80°	57.6	38.4	19.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	82.5°	19.2	13.3	5.9	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°	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
0.0	2.5°	66.4	66.4	66.4	65.0	65.0	65.0	65.0	63.5	63.5	63.5
0.0	5°	60.5	60.5	59.0	59.0	57.6	57.6	56.1	56.1	54.6	54.6
0.0	7.5°	56.1	54.6	54.6	53.1	51.7	51.7	50.2	50.2	48.7	47.2
0.0	10°	51.7	50.2	50.2	48.7	47.2	45.8	45.8	44.3	42.8	41.3
0.0	12.5°	47.2	45.8	44.3	42.8	41.3	39.9	39.9	38.4	36.9	35.4
0.0	15°	41.3	39.9	38.4	36.9	35.4	34.0	34.0	32.5	31.0	29.5
0.0	17.5°	35.4	34.0	34.0	32.5	31.0	29.5	28.0	25.1	23.6	22.1
0.0	20°	26.6	25.1	23.6	22.1	20.7	17.7	16.2	13.3	10.3	8.9
0.0	22.5°	17.7	14.8	13.3	10.3	7.4	5.9	4.4	1.5	0.0	0.0
0.0	25°	5.9	4.4	3.0	1.5	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: P1049125

CATALOG NUMBER: GALN-SA7A-827-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049125

CATALOG NUMBER: GALN-SA7A-827-U-RBC

CANDELA DISTRIBUTION (continued):

80°		82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°
0.0	0°	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
0.0	2.5°	62.0	62.0	62.0	60.5	60.5	60.5	60.5	60.5	60.5	60.5
0.0	5°	53.1	53.1	53.1	51.7	51.7	50.2	50.2	50.2	48.7	48.7
0.0	7.5°	45.8	44.3	44.3	42.8	42.8	41.3	41.3	41.3	39.9	39.9
0.0	10°	38.4	36.9	36.9	35.4	35.4	34.0	34.0	32.5	32.5	31.0
0.0	12.5°	34.0	32.5	31.0	29.5	29.5	28.0	26.6	26.6	25.1	23.6
0.0	15°	26.6	25.1	23.6	22.1	20.7	19.2	17.7	17.7	16.2	14.8
0.0	17.5°	17.7	14.8	13.3	11.8	11.8	10.3	8.9	7.4	5.9	4.4
0.0	20°	4.4	3.0	1.5	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: P1049125

CATALOG NUMBER: GALN-SA7A-827-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°	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
0.0	2.5°	60.5	59.0	59.0	59.0	60.5	60.5	60.5	60.5	60.5	60.5
0.0	5°	48.7	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
0.0	7.5°	39.9	38.4	38.4	38.4	38.4	36.9	36.9	36.9	36.9	36.9
0.0	10°	31.0	29.5	29.5	29.5	29.5	28.0	28.0	28.0	28.0	28.0
0.0	12.5°	22.1	22.1	20.7	20.7	20.7	19.2	19.2	19.2	19.2	17.7
0.0	15°	13.3	11.8	10.3	10.3	10.3	8.9	8.9	8.9	8.9	7.4
0.0	17.5°	3.0	3.0	1.5	1.5	1.5	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: P1049125

CATALOG NUMBER: GALN-SA7A-827-U-RBC

CANDELA DISTRIBUTION (continued):

135°		137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°
0.0	0°	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
0.0	2.5°	62.0	62.0	63.5	63.5	65.0	67.9	69.4	70.9	73.8	76.8
0.0	5°	48.7	50.2	50.2	51.7	53.1	54.6	56.1	57.6	60.5	63.5
0.0	7.5°	38.4	38.4	39.9	39.9	41.3	44.3	45.8	47.2	50.2	54.6
0.0	10°	29.5	29.5	31.0	31.0	32.5	35.4	36.9	38.4	41.3	45.8
0.0	12.5°	19.2	20.7	20.7	22.1	23.6	26.6	28.0	29.5	32.5	35.4
0.0	15°	8.9	10.3	10.3	11.8	13.3	16.2	17.7	19.2	22.1	26.6
0.0	17.5°	1.5	1.5	3.0	3.0	4.4	5.9	7.4	8.9	13.3	16.2
0.0	20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	5.9
0.0	22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
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: P1049125

CATALOG NUMBER: GALN-SA7A-827-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°	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
0.0	2.5°	81.2	84.1	87.1	90.0	93.0	96.0	97.4	100.4	101.9	103.3
0.0	5°	69.4	72.3	76.8	79.7	82.7	85.6	88.6	90.0	91.5	93.0
0.0	7.5°	60.5	63.5	67.9	70.9	73.8	76.8	79.7	82.7	84.1	85.6
0.0	10°	51.7	56.1	59.0	63.5	66.4	69.4	72.3	75.3	78.2	79.7
0.0	12.5°	41.3	45.8	50.2	53.1	57.6	62.0	65.0	67.9	70.9	73.8
0.0	15°	32.5	36.9	41.3	44.3	48.7	53.1	57.6	60.5	63.5	66.4
0.0	17.5°	23.6	28.0	32.5	35.4	39.9	44.3	47.2	51.7	54.6	57.6
0.0	20°	11.8	16.2	20.7	25.1	29.5	34.0	36.9	41.3	44.3	47.2
0.0	22.5°	1.5	5.9	10.3	13.3	17.7	22.1	25.1	29.5	32.5	35.4
0.0	25°	0.0	1.5	4.4	5.9	7.4	10.3	13.3	16.2	19.2	22.1
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	1.5	3.0	5.9	8.9	11.8
0.0	30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0
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	1.5
	82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	3.0
	85°	0.0	0.0	0.0	0.0	0.0	3.0	4.4	7.4	8.9	10.3
	87.5°	0.0	1.5	3.0	4.4	5.9	8.9	11.8	14.8	16.2	17.7
	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1049125

CATALOG NUMBER: GALN-SA7A-827-U-RBC

CANDELA DISTRIBUTION (continued):

190°		165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°
85.6	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
103.3	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
94.5	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.1	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.7	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75.3	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
69.4	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.0	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50.2	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38.4	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
14.8	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.4	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0											
0.0											
0.0											
0.0											
1.5											
5.9											
13.3											
19.2											
0.0											
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REPORT NUMBER: P1049125

CATALOG NUMBER: GALN-SA7A-827-U-RBC

CANDELA DISTRIBUTION (continued):

190°		192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°
0.0	0°	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
0.0	2.5°	104.8	104.8	104.8	104.8	103.3	103.3	103.3	101.9	101.9	100.4
0.0	5°	96.0	97.4	97.4	97.4	97.4	97.4	97.4	97.4	96.0	96.0
0.0	7.5°	88.6	90.0	91.5	91.5	93.0	93.0	93.0	91.5	91.5	90.0
0.0	10°	84.1	85.6	85.6	87.1	87.1	87.1	87.1	87.1	87.1	87.1
0.0	12.5°	78.2	79.7	81.2	81.2	82.7	82.7	82.7	82.7	81.2	81.2
0.0	15°	70.9	73.8	75.3	76.8	76.8	78.2	78.2	78.2	78.2	78.2
0.0	17.5°	65.0	67.9	69.4	70.9	70.9	72.3	72.3	73.8	73.8	73.8
0.0	20°	53.1	56.1	57.6	60.5	62.0	63.5	65.0	66.4	66.4	67.9
0.0	22.5°	41.3	44.3	45.8	48.7	50.2	51.7	53.1	54.6	56.1	57.6
0.0	25°	29.5	32.5	34.0	36.9	38.4	39.9	41.3	42.8	42.8	44.3
0.0	27.5°	16.2	19.2	22.1	23.6	26.6	28.0	29.5	31.0	32.5	34.0
0.0	30°	7.4	8.9	10.3	13.3	14.8	16.2	17.7	20.7	22.1	23.6
0.0	32.5°	0.0	0.0	1.5	4.4	5.9	7.4	8.9	10.3	10.3	11.8
0.0	35°	0.0	0.0	0.0	0.0	0.0	0.0	1.5	3.0	4.4	5.9
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°	3.0	3.0	3.0	4.4	4.4	4.4	4.4	4.4	4.4	4.4
	82.5°	7.4	8.9	10.3	10.3	11.8	11.8	11.8	11.8	10.3	10.3
	85°	14.8	16.2	17.7	17.7	19.2	19.2	19.2	19.2	19.2	19.2
	87.5°	20.7	22.1	23.6	23.6	25.1	25.1	25.1	25.1	25.1	25.1
	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: P1049125

CATALOG NUMBER: GALN-SA7A-827-U-RBC

CANDELA DISTRIBUTION (continued):

217.5°		192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°
85.6	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100.4	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
96.0	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90.0	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.1	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
81.2	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
78.2	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
73.8	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66.4	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.6	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45.8	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35.4	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25.1	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14.8	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.9	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.0	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.0	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.5	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.5	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.5	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.5	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.5	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											
4.4											
10.3											
19.2											
25.1											
0.0											
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REPORT NUMBER: P1049125

CATALOG NUMBER: GALN-SA7A-827-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°	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
0.0	2.5°	98.9	98.9	97.4	97.4	97.4	97.4	97.4	98.9	100.4	100.4
0.0	5°	94.5	94.5	93.0	93.0	93.0	94.5	94.5	96.0	97.4	98.9
0.0	7.5°	90.0	88.6	88.6	90.0	90.0	91.5	91.5	93.0	94.5	96.0
0.0	10°	87.1	85.6	85.6	85.6	87.1	87.1	88.6	90.0	91.5	93.0
0.0	12.5°	81.2	81.2	81.2	81.2	82.7	82.7	84.1	85.6	88.6	90.0
0.0	15°	78.2	76.8	76.8	76.8	76.8	78.2	78.2	81.2	84.1	85.6
0.0	17.5°	72.3	72.3	70.9	70.9	72.3	72.3	73.8	76.8	79.7	81.2
0.0	20°	66.4	65.0	63.5	63.5	65.0	65.0	66.4	69.4	72.3	73.8
0.0	22.5°	57.6	56.1	56.1	56.1	56.1	57.6	57.6	60.5	65.0	67.9
0.0	25°	45.8	47.2	47.2	48.7	48.7	50.2	51.7	54.6	59.0	62.0
0.0	27.5°	35.4	36.9	36.9	39.9	41.3	42.8	44.3	48.7	53.1	56.1
0.0	30°	26.6	28.0	29.5	31.0	34.0	36.9	39.9	44.3	48.7	51.7
0.0	32.5°	16.2	19.2	20.7	23.6	26.6	29.5	32.5	36.9	42.8	47.2
0.0	35°	11.8	13.3	16.2	17.7	20.7	23.6	26.6	32.5	36.9	42.8
0.0	37.5°	5.9	8.9	11.8	14.8	17.7	20.7	23.6	29.5	35.4	39.9
0.0	40°	4.4	7.4	8.9	11.8	16.2	19.2	22.1	28.0	34.0	39.9
0.0	42.5°	3.0	4.4	5.9	10.3	13.3	17.7	22.1	28.0	34.0	39.9
0.0	45°	3.0	3.0	4.4	8.9	13.3	19.2	23.6	29.5	34.0	39.9
0.0	47.5°	3.0	4.4	5.9	11.8	14.8	19.2	23.6	28.0	34.0	38.4
0.0	50°	4.4	5.9	7.4	13.3	16.2	20.7	23.6	29.5	34.0	39.9
0.0	52.5°	3.0	4.4	5.9	11.8	16.2	22.1	26.6	32.5	38.4	42.8
0.0	55°	1.5	1.5	1.5	8.9	17.7	25.1	34.0	38.4	44.3	48.7
0.0	57.5°	0.0	0.0	0.0	5.9	17.7	28.0	38.4	44.3	50.2	54.6
0.0	60°	0.0	0.0	0.0	5.9	17.7	28.0	38.4	45.8	53.1	60.5
0.0	62.5°	0.0	0.0	0.0	5.9	14.8	23.6	32.5	44.3	57.6	69.4
0.0	65°	0.0	0.0	0.0	4.4	11.8	19.2	26.6	44.3	62.0	78.2
0.0	67.5°	0.0	0.0	0.0	4.4	11.8	17.7	25.1	44.3	62.0	81.2
	70°	0.0	0.0	0.0	4.4	11.8	19.2	26.6	44.3	62.0	79.7
	72.5°	0.0	0.0	0.0	4.4	13.3	20.7	29.5	44.3	59.0	73.8
	75°	0.0	0.0	0.0	5.9	13.3	22.1	31.0	44.3	57.6	69.4
	77.5°	0.0	0.0	0.0	4.4	13.3	20.7	29.5	42.8	56.1	67.9
	80°	4.4	3.0	3.0	7.4	13.3	19.2	25.1	38.4	53.1	66.4
	82.5°	8.9	8.9	7.4	10.3	13.3	17.7	22.1	34.0	47.2	59.0
	85°	17.7	17.7	16.2	17.7	17.7	19.2	20.7	26.6	32.5	38.4
	87.5°	23.6	23.6	22.1	22.1	22.1	20.7	20.7	20.7	20.7	19.2
	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: P1049125

CATALOG NUMBER: GALN-SA7A-827-U-RBC

CANDELA DISTRIBUTION (continued):

245°		220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°
85.6	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
101.9	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100.4	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.4	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
94.5	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
91.5	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.6	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
84.1	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
76.8	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70.9	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65.0	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60.5	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
56.1	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
51.7	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.2	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45.8	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45.8	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45.8	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44.3	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.8	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44.3	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48.7	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
53.1	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60.5	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.9	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
81.2	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
96.0	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
98.9	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.4											
88.6											
82.7											
81.2											
79.7											
70.9											
44.3											
19.2											
0.0											
0.0											
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0.0											

REPORT NUMBER: P1049125

CATALOG NUMBER: GALN-SA7A-827-U-RBC

CANDELA DISTRIBUTION (continued):

245°		247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°
0.0	0°	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
0.0	2.5°	103.3	104.8	104.8	106.3	107.8	109.2	109.2	110.7	110.7	110.7
0.0	5°	101.9	104.8	106.3	107.8	109.2	110.7	112.2	113.7	115.1	115.1
0.0	7.5°	100.4	101.9	104.8	106.3	109.2	110.7	113.7	115.1	116.6	118.1
0.0	10°	97.4	100.4	103.3	106.3	109.2	112.2	115.1	118.1	121.0	122.5
0.0	12.5°	94.5	98.9	101.9	104.8	109.2	113.7	116.6	121.0	124.0	127.0
0.0	15°	93.0	96.0	100.4	103.3	109.2	115.1	119.6	125.5	131.4	135.8
0.0	17.5°	88.6	94.5	98.9	103.3	109.2	116.6	122.5	128.4	137.3	146.1
0.0	20°	82.7	87.1	93.0	97.4	106.3	113.7	122.5	129.9	143.2	156.5
0.0	22.5°	76.8	82.7	87.1	93.0	103.3	112.2	122.5	131.4	153.5	174.2
0.0	25°	70.9	78.2	84.1	90.0	101.9	113.7	125.5	137.3	174.2	211.1
0.0	27.5°	67.9	73.8	81.2	87.1	101.9	118.1	132.9	147.6	206.7	264.2
0.0	30°	63.5	70.9	76.8	84.1	103.3	122.5	141.7	160.9	251.0	341.0
0.0	32.5°	59.0	66.4	73.8	81.2	106.3	131.4	155.0	180.1	298.2	414.8
0.0	35°	54.6	63.5	70.9	78.2	110.7	144.7	177.1	209.6	341.0	470.9
0.0	37.5°	53.1	62.0	69.4	76.8	112.2	146.1	181.6	215.5	345.4	475.3
0.0	40°	54.6	62.0	70.9	78.2	107.8	137.3	165.3	194.9	330.7	465.0
0.0	42.5°	54.6	63.5	72.3	81.2	104.8	128.4	152.1	175.7	326.2	476.8
0.0	45°	53.1	62.0	70.9	79.7	101.9	122.5	144.7	165.3	352.8	538.8
0.0	47.5°	51.7	60.5	69.4	78.2	100.4	122.5	144.7	166.8	456.2	744.0
0.0	50°	51.7	60.5	67.9	75.3	101.9	129.9	156.5	183.1	664.3	1144.1
0.0	52.5°	54.6	62.0	67.9	73.8	104.8	137.3	168.3	199.3	844.4	1488.0
0.0	55°	59.0	63.5	69.4	73.8	112.2	149.1	187.5	224.4	899.0	1573.6
0.0	57.5°	65.0	69.4	73.8	78.2	125.5	172.7	218.5	265.7	903.4	1539.7
0.0	60°	72.3	78.2	82.7	87.1	137.3	189.0	239.1	289.3	817.8	1344.8
0.0	62.5°	88.6	96.0	101.9	109.2	158.0	205.2	253.9	301.1	679.1	1057.0
0.0	65°	101.9	107.8	113.7	119.6	166.8	215.5	262.8	310.0	575.7	841.4
0.0	67.5°	104.8	110.7	115.1	121.0	169.8	218.5	265.7	314.4	493.1	670.2
	70°	106.3	113.7	122.5	129.9	180.1	230.3	279.0	329.2	437.0	544.7
	72.5°	101.9	116.6	129.9	143.2	190.4	236.2	283.4	329.2	406.0	482.7
	75°	101.9	122.5	141.7	160.9	196.3	230.3	265.7	299.7	358.7	417.8
	77.5°	107.8	134.3	160.9	187.5	208.1	227.3	248.0	267.2	305.6	344.0
	80°	107.8	135.8	162.4	190.4	199.3	209.6	218.5	227.3	231.8	236.2
	82.5°	93.0	115.1	137.3	159.4	149.1	138.8	128.4	118.1	110.7	101.9
	85°	47.2	51.7	54.6	57.6	53.1	48.7	44.3	39.9	36.9	32.5
	87.5°	19.2	19.2	17.7	17.7	17.7	17.7	16.2	16.2	16.2	16.2
	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: P1049125

CATALOG NUMBER: GALN-SA7A-827-U-RBC

CANDELA DISTRIBUTION (continued):

272.5°		247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°
85.6	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110.7	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115.1	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
119.6	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125.5	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
131.4	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
143.2	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
158.0	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
181.6	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
231.8	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
314.4	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
437.0	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
592.0	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
739.6	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
840.0	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
915.3	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
990.5	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1138.2	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1433.4	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2184.8	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3346.6	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4213.1	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4309.1	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3888.4	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3324.4	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2598.1	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1963.4	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1449.6	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1026.0											
763.2											
555.1											
417.8											
234.7											
106.3											
31.0											
14.8											
0.0											
0.0											
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REPORT NUMBER: P1049125

CATALOG NUMBER: GALN-SA7A-827-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°	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
0.0	2.5°	110.7	109.2	109.2	107.8	106.3	104.8	103.3	101.9	100.4	98.9
0.0	5°	115.1	115.1	115.1	113.7	113.7	112.2	112.2	110.7	109.2	107.8
0.0	7.5°	119.6	121.0	121.0	122.5	122.5	122.5	122.5	121.0	121.0	121.0
0.0	10°	127.0	128.4	129.9	131.4	132.9	134.3	134.3	135.8	135.8	135.8
0.0	12.5°	135.8	140.2	143.2	147.6	150.6	155.0	158.0	162.4	165.3	168.3
0.0	15°	149.1	156.5	165.3	172.7	180.1	190.4	202.2	212.6	222.9	239.1
0.0	17.5°	168.3	191.9	215.5	237.7	261.3	313.0	364.6	414.8	466.5	541.8
0.0	20°	205.2	276.1	345.4	416.3	485.7	667.3	847.3	1028.9	1209.0	1402.4
0.0	22.5°	287.9	462.1	636.3	810.4	984.6	1364.0	1741.9	2121.3	2499.2	2943.6
0.0	25°	417.8	738.1	1058.4	1377.3	1697.7	2291.1	2886.0	3479.4	4072.9	4650.1
0.0	27.5°	608.2	1098.3	1588.4	2077.0	2567.1	3371.7	4177.7	4982.2	5786.8	6439.3
0.0	30°	842.9	1507.2	2171.5	2835.8	3500.1	4415.4	5330.6	6244.4	7159.7	7872.7
0.0	32.5°	1064.4	1877.8	2691.1	3503.1	4316.5	5358.7	6402.4	7444.6	8486.8	9266.2
0.0	35°	1209.0	2192.2	3176.8	4160.0	5143.1	6271.0	7398.8	8525.2	9653.0	10543.2
0.0	37.5°	1353.7	2488.9	3622.6	4757.9	5891.6	7130.1	8368.7	9607.2	10845.8	11945.6
0.0	40°	1516.1	2847.6	4177.7	5509.2	6839.3	8306.7	9772.6	11239.9	12705.8	14257.3
0.0	42.5°	1798.0	3442.5	5088.5	6733.0	8377.5	10318.8	12260.0	14199.8	16141.0	18355.3
0.0	45°	2328.0	4645.7	6964.8	9282.5	11600.1	14171.7	16744.8	19316.3	21887.9	24834.4
0.0	47.5°	3625.6	6814.2	10001.4	13190.0	16377.2	19153.9	21929.2	24706.0	27481.3	30416.0
0.0	50°	5547.6	9258.8	12970.1	16679.8	20391.0	22903.5	25414.6	27927.1	30438.2	33229.7
0.0	52.5°	6938.2	10804.4	14672.1	18538.4	22404.6	24672.0	26941.0	29208.5	31475.9	34084.4
0.0	55°	7043.0	10887.1	14732.7	18576.7	22420.8	24698.6	26976.4	29254.2	31532.0	34297.0
0.0	57.5°	6235.5	10048.6	13860.2	17673.3	21484.9	24078.6	26670.8	29264.6	31856.8	34846.2
0.0	60°	5304.1	9118.6	12931.7	16746.2	20559.3	23547.2	26536.5	29524.4	32512.2	35312.6
0.0	62.5°	4137.8	8061.6	11986.9	15910.7	19834.5	22868.1	25901.7	28933.9	31967.5	34068.2
0.0	65°	3083.8	6893.9	10704.1	14512.7	18322.8	20752.7	23182.5	25610.9	28040.8	29341.3
0.0	67.5°	2229.1	5515.2	8799.7	12085.8	15370.4	17109.4	18848.4	20585.9	22324.9	23319.8
	70°	1507.2	3783.5	6058.4	8334.7	10609.6	12038.6	13469.0	14898.0	16327.0	17670.3
	72.5°	1043.7	2322.1	3602.0	4880.4	6158.8	7596.6	9033.0	10470.8	11907.2	13328.8
	75°	692.3	1274.0	1857.1	2438.7	3020.3	4084.7	5150.5	6214.9	7279.2	8126.6
	77.5°	491.6	665.8	841.4	1015.6	1189.8	1389.1	1589.9	1789.2	1988.5	2291.1
	80°	233.2	255.4	277.5	298.2	320.3	392.7	465.0	537.3	609.7	686.4
	82.5°	110.7	119.6	128.4	135.8	144.7	152.1	159.4	166.8	174.2	166.8
	85°	29.5	29.5	31.0	31.0	31.0	31.0	31.0	31.0	31.0	29.5
	87.5°	13.3	13.3	13.3	13.3	13.3	13.3	13.3	11.8	11.8	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

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CANDELA DISTRIBUTION (continued):

300°		275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°
85.6	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.4	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
106.3	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
119.6	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.3	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
169.8	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
256.9	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
615.6	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1597.3	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3387.9	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5227.3	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7091.8	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8587.2	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10047.1	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11433.3	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13046.8	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15808.8	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20569.6	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27781.0	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33350.7	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36021.2	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36692.9	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37063.4	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37835.5	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38111.5	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36170.3	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30643.4	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24316.3	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19012.2											
14750.4											
8973.9											
2593.7											
763.2											
158.0											
28.0											
10.3											
0.0											
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°	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
0.0	2.5°	96.0	94.5	93.0	91.5	90.0	87.1	87.1	85.6	85.6
0.0	5°	104.8	103.3	101.9	100.4	100.4	98.9	97.4	97.4	96.0
0.0	7.5°	119.6	118.1	116.6	115.1	115.1	113.7	113.7	112.2	112.2
0.0	10°	137.3	137.3	137.3	137.3	137.3	135.8	135.8	135.8	134.3
0.0	12.5°	172.7	174.2	177.1	180.1	184.5	184.5	184.5	183.1	183.1
0.0	15°	273.1	289.3	301.1	313.0	323.3	346.9	344.0	339.5	336.6
0.0	17.5°	690.9	764.7	804.5	842.9	882.8	992.0	974.3	956.6	940.4
0.0	20°	1790.7	1984.0	2112.5	2240.9	2370.8	2576.0	2525.8	2475.6	2425.4
0.0	22.5°	3830.8	4275.1	4468.5	4661.9	4853.8	5101.8	4940.9	4780.0	4620.6
0.0	25°	5803.0	6380.2	6706.5	7032.7	7357.5	7499.2	7289.6	7078.5	6868.8
0.0	27.5°	7744.2	8396.7	8684.6	8971.0	9258.8	9555.6	9295.8	9034.5	8774.6
0.0	30°	9300.2	10013.2	10324.7	10634.7	10946.2	11152.8	10884.2	10614.0	10345.3
0.0	32.5°	10826.6	11606.0	11947.0	12288.0	12627.6	12924.3	12593.6	12261.5	11930.8
0.0	35°	12322.0	13212.2	13681.6	14151.0	14620.5	14896.5	14503.9	14109.7	13717.0
0.0	37.5°	14146.6	15246.4	15771.9	16297.5	16823.0	17326.4	16893.9	16459.8	16027.3
0.0	40°	17360.3	18911.8	19717.9	20525.3	21331.4	21980.9	21434.7	20888.5	20342.3
0.0	42.5°	22784.0	24998.3	26157.1	27314.5	28473.3	29487.5	28913.2	28339.0	27764.7
0.0	45°	30727.5	33674.0	35086.8	36498.0	37910.8	38651.8	37825.2	36997.0	36170.3
0.0	47.5°	36284.0	39218.7	40476.4	41734.2	42991.9	43837.8	42826.6	41815.4	40805.6
0.0	50°	38811.3	41602.8	42865.0	44125.7	45387.8	46059.5	44891.8	43722.7	42555.0
0.0	52.5°	39299.9	41908.4	43414.1	44921.3	46427.1	47324.6	45945.8	44565.6	43186.8
0.0	55°	39828.4	42593.3	44339.7	46087.6	47833.9	49076.9	47518.0	45957.7	44398.8
0.0	57.5°	40823.4	43812.7	45554.6	47295.1	49037.0	50092.5	48529.2	46964.4	45401.1
0.0	60°	40911.9	43710.8	45207.7	46706.1	48203.0	48867.3	47371.9	45875.0	44379.6
0.0	62.5°	38271.0	40371.6	41410.9	42450.2	43489.4	44211.3	42650.9	41089.1	39528.7
0.0	65°	31943.9	33244.5	34072.6	34900.8	35728.9	36589.6	35160.6	33731.6	32302.6
0.0	67.5°	25311.3	26306.2	27397.1	28488.1	29579.0	30498.7	29354.6	28209.1	27065.0
	70°	20355.6	21697.5	22924.2	24150.9	25377.7	26130.6	24982.1	23832.1	22683.6
	72.5°	16172.0	17593.6	18618.1	19641.1	20665.6	20850.1	20005.7	19161.3	18318.4
	75°	9819.8	10667.2	10687.8	10707.0	10727.7	10903.4	10203.6	9503.9	8805.6
	77.5°	2896.3	3199.0	3448.4	3696.5	3945.9	4247.1	3990.2	3731.9	3475.0
	80°	838.5	915.3	980.2	1043.7	1108.6	1070.3	1009.7	949.2	888.7
	82.5°	150.6	141.7	140.2	138.8	138.8	131.4	119.6	107.8	96.0
	85°	26.6	25.1	23.6	22.1	20.7	19.2	16.2	14.8	11.8
	87.5°	8.9	7.4	5.9	4.4	4.4	1.5	1.5	1.5	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: P1049125

CATALOG NUMBER: GALN-SA7A-827-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°	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
0.0	0.0	2.5°	84.1	82.7	82.7	82.7	82.7	81.2	81.2	81.2	81.2
0.0	0.0	5°	93.0	93.0	91.5	91.5	90.0	90.0	88.6	88.6	87.1
0.0	0.0	7.5°	109.2	107.8	106.3	104.8	103.3	100.4	98.9	97.4	97.4
0.0	0.0	10°	131.4	128.4	127.0	124.0	122.5	119.6	116.6	113.7	110.7
0.0	0.0	12.5°	172.7	166.8	162.4	156.5	150.6	146.1	140.2	135.8	129.9
0.0	0.0	15°	299.7	284.9	268.7	249.5	228.8	209.6	189.0	177.1	163.9
0.0	0.0	17.5°	766.2	689.4	611.2	547.7	484.2	422.2	358.7	313.0	267.2
0.0	0.0	20°	1950.1	1737.5	1524.9	1315.3	1104.2	894.6	683.5	577.2	470.9
0.0	0.0	22.5°	3669.9	3275.7	2880.1	2497.8	2113.9	1731.6	1349.3	1108.6	869.5
0.0	0.0	25°	5664.3	5168.2	4672.2	4043.4	3413.0	2784.1	2155.3	1764.1	1372.9
0.0	0.0	27.5°	7370.8	6799.5	6228.2	5463.5	4698.8	3934.1	3169.4	2586.3	2004.7
0.0	0.0	30°	8848.5	8234.3	7620.2	6730.1	5839.9	4949.8	4059.6	3330.4	2601.1
0.0	0.0	32.5°	10129.8	9394.7	8659.5	7741.3	6823.1	5904.9	4986.7	4092.1	3197.5
0.0	0.0	35°	11607.5	10749.8	9890.7	8872.1	7852.0	6833.4	5814.8	4805.1	3793.9
0.0	0.0	37.5°	13485.3	12432.7	11378.7	10243.5	9108.3	7974.5	6839.3	5684.9	4530.5
0.0	0.0	40°	17079.9	15721.7	14363.6	12921.3	11477.6	10035.3	8593.1	7175.9	5758.7
0.0	0.0	42.5°	23520.6	21685.7	19850.7	17931.6	16011.1	14092.0	12171.4	10172.6	8172.3
0.0	0.0	45°	30789.5	28513.2	26235.4	24081.6	21926.3	19772.5	17618.7	14875.9	12133.0
0.0	0.0	47.5°	34877.2	32419.2	29961.3	27922.7	25884.0	23845.4	21806.7	18849.8	15893.0
0.0	0.0	50°	36381.4	33879.2	31377.0	29500.8	27623.0	25746.7	23869.0	20907.7	17944.9
0.0	0.0	52.5°	36701.8	34149.4	31597.0	29708.9	27820.8	25934.2	24046.1	21104.0	18161.9
0.0	0.0	55°	37360.2	34621.8	31881.9	29729.6	27577.2	25424.9	23272.6	20283.2	17293.9
0.0	0.0	57.5°	38220.8	35413.0	32605.2	30153.3	27701.3	25250.7	22798.7	19530.4	16262.0
0.0	0.0	60°	37994.9	35551.8	33107.2	30481.0	27853.3	25227.1	22599.4	19004.8	15408.8
0.0	0.0	62.5°	34074.1	32128.4	30181.3	28021.6	25860.4	23700.7	21541.0	17840.1	14139.2
0.0	0.0	65°	28031.9	26611.8	25191.7	23454.2	21715.2	19977.7	18240.2	14921.6	11604.6
0.0	0.0	67.5°	22719.0	21118.8	19517.1	18132.4	16746.2	15361.5	13975.4	11363.9	8752.5
		70°	18049.7	16309.3	14567.3	13215.1	11861.4	10509.2	9157.0	7421.0	5686.4
		72.5°	14334.1	12764.9	11195.6	9753.4	8309.6	6867.4	5423.6	4397.7	3371.7
		75°	6851.1	6223.7	5596.3	4842.0	4087.7	3333.3	2579.0	2131.7	1685.8
		77.5°	2539.1	2201.0	1861.5	1554.5	1247.4	941.8	634.8	581.6	528.5
		80°	656.9	572.8	487.2	426.6	364.6	304.1	243.6	220.0	197.8
		82.5°	75.3	69.4	65.0	62.0	57.6	54.6	50.2	45.8	41.3
		85°	4.4	3.0	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
		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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CATALOG NUMBER: GALN-SA7A-827-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049125

CATALOG NUMBER: GALN-SA7A-827-U-RBC

CANDELA DISTRIBUTION (continued):

352.5°	355°		357.5°	360°
0.0	0.0	0°	85.6	85.6
0.0	0.0	2.5°	79.7	78.2
0.0	0.0	5°	84.1	82.7
0.0	0.0	7.5°	93.0	90.0
0.0	0.0	10°	101.9	98.9
0.0	0.0	12.5°	115.1	110.7
0.0	0.0	15°	129.9	121.0
0.0	0.0	17.5°	155.0	135.8
0.0	0.0	20°	209.6	160.9
0.0	0.0	22.5°	295.2	200.8
0.0	0.0	25°	434.0	277.5
0.0	0.0	27.5°	603.8	369.1
0.0	0.0	30°	803.1	462.1
0.0	0.0	32.5°	978.7	550.6
0.0	0.0	35°	1207.5	640.7
0.0	0.0	37.5°	1489.5	755.8
0.0	0.0	40°	1926.5	930.0
0.0	0.0	42.5°	2713.3	1251.8
0.0	0.0	45°	4406.5	2164.1
0.0	0.0	47.5°	6780.3	3579.8
0.0	0.0	50°	8294.9	4568.9
0.0	0.0	52.5°	8418.9	4561.5
0.0	0.0	55°	7685.2	4055.2
0.0	0.0	57.5°	6557.4	3389.4
0.0	0.0	60°	5450.2	2680.8
0.0	0.0	62.5°	4294.3	1851.2
0.0	0.0	65°	3138.4	1309.4
0.0	0.0	67.5°	2254.2	978.7
		70°	1482.1	749.9
		72.5°	965.4	611.2
		75°	649.5	506.3
		77.5°	379.4	336.6
		80°	134.3	118.1
		82.5°	25.1	17.7
		85°	0.0	0.0
		87.5°	0.0	0.0
		90°	0.0	0.0
		92.5°	0.0	0.0
		95°	0.0	0.0
		97.5°	0.0	0.0
		100°	0.0	0.0
		102.5°	0.0	0.0
		105°	0.0	0.0
		107.5°	0.0	0.0
		110°	0.0	0.0



REPORT NUMBER: P1049125

CATALOG NUMBER: GALN-SA7A-827-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: SP1-2407-184-8

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-827-U-5WQ

Data in this report applies to families of products including GSS-SB1A-827-U-5WQ

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-8
 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-827-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI
 2700K CCT 26 LEDS

Spectral Parameters

CCT (K): 2756
 CIE u' : 0.2599
 CIE v' : 0.5271
 Duv: 0.0006
 CIE x: 0.4563
 CIE y: 0.4112
 CIE z: 0.1325
 Peak Wavelength (nm): 609
 Dominant Wavelength (nm): 583
 Purity: 60.41121
 R_f: 82.2
 R_g: 99.9

CRI (Ra): 82.9
 R1: 81.6
 R2: 88.8
 R3: 96.0
 R4: 83.4
 R5: 81.4
 R6: 87.0
 R7: 84.0
 R8: 60.8
 R9: 10.8
 R10: 74.8
 R11: 84.3
 R12: 72.1
 R13: 82.9
 R14: 97.3
 R15: 73.7



Test Conditions

Stabilization Time: 29M
 Operation Time: 1H 29M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-8

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: SP1-2407-184-8

CIE 1931 Chromaticity Diagram

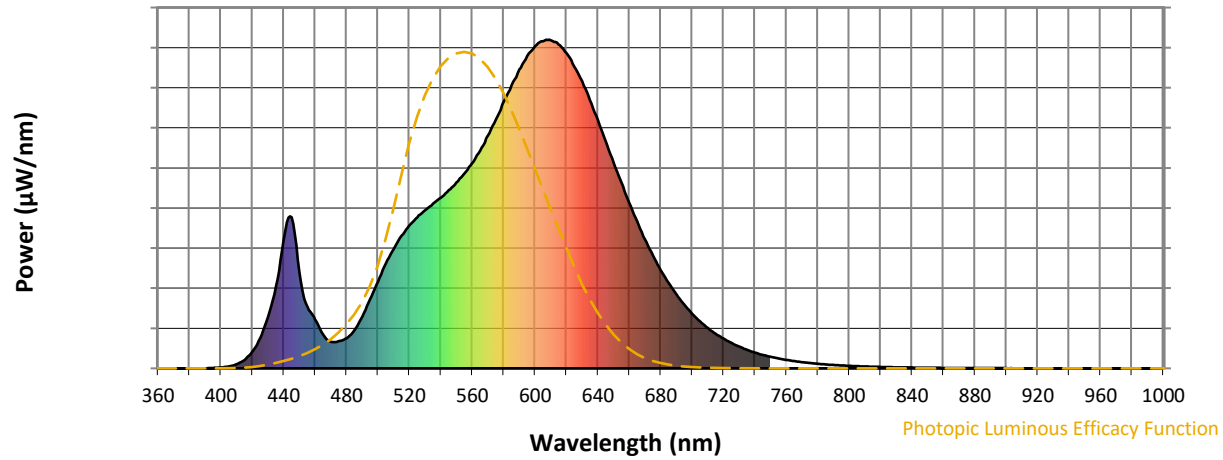


CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-8

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	158	NR	620	959	NR	750	35	NR	880	1	NR
365	0	NR	495	211	NR	625	918	NR	755	30	NR	885	1	NR
370	0	NR	500	264	NR	630	873	NR	760	26	NR	890	1	NR
375	0	NR	505	318	NR	635	816	NR	765	22	NR	895	1	NR
380	0	NR	510	363	NR	640	755	NR	770	19	NR	900	1	NR
385	0	NR	515	403	NR	645	689	NR	775	16	NR	905	1	NR
390	0	NR	520	435	NR	650	626	NR	780	14	NR	910	0	NR
395	1	NR	525	459	NR	655	564	NR	785	12	NR	915	0	NR
400	3	NR	530	481	NR	660	503	NR	790	10	NR	920	0	NR
405	6	NR	535	501	NR	665	447	NR	795	9	NR	925	0	NR
410	13	NR	540	519	NR	670	392	NR	800	8	NR	930	0	NR
415	26	NR	545	542	NR	675	343	NR	805	7	NR	935	0	NR
420	51	NR	550	565	NR	680	299	NR	810	6	NR	940	0	NR
425	93	NR	555	593	NR	685	260	NR	815	5	NR	945	0	NR
430	156	NR	560	624	NR	690	225	NR	820	4	NR	950	0	NR
435	250	NR	565	662	NR	695	194	NR	825	4	NR	955	0	NR
440	391	NR	570	707	NR	700	166	NR	830	3	NR	960	0	NR
445	460	NR	575	756	NR	705	143	NR	835	3	NR	965	0	NR
450	293	NR	580	810	NR	710	122	NR	840	2	NR	970	0	NR
455	188	NR	585	860	NR	715	105	NR	845	2	NR	975	0	NR
460	149	NR	590	910	NR	720	90	NR	850	2	NR	980	0	NR
465	103	NR	595	950	NR	725	77	NR	855	2	NR	985	0	NR
470	80	NR	600	980	NR	730	66	NR	860	1	NR	990	0	NR
475	82	NR	605	995	NR	735	56	NR	865	1	NR	995	0	NR
480	92	NR	610	998	NR	740	48	NR	870	1	NR	1000	0	NR
485	116	NR	615	985	NR	745	41	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-8

Scotopic Flux vs. Wavelength



Scotopic Lumens: NR

S/P: 1.2

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	158	NR	620	959	NR	750	35	NR	880	1	NR
365	0	NR	495	211	NR	625	918	NR	755	30	NR	885	1	NR
370	0	NR	500	264	NR	630	873	NR	760	26	NR	890	1	NR
375	0	NR	505	318	NR	635	816	NR	765	22	NR	895	1	NR
380	0	NR	510	363	NR	640	755	NR	770	19	NR	900	1	NR
385	0	NR	515	403	NR	645	689	NR	775	16	NR	905	1	NR
390	0	NR	520	435	NR	650	626	NR	780	14	NR	910	0	NR
395	1	NR	525	459	NR	655	564	NR	785	12	NR	915	0	NR
400	3	NR	530	481	NR	660	503	NR	790	10	NR	920	0	NR
405	6	NR	535	501	NR	665	447	NR	795	9	NR	925	0	NR
410	13	NR	540	519	NR	670	392	NR	800	8	NR	930	0	NR
415	26	NR	545	542	NR	675	343	NR	805	7	NR	935	0	NR
420	51	NR	550	565	NR	680	299	NR	810	6	NR	940	0	NR
425	93	NR	555	593	NR	685	260	NR	815	5	NR	945	0	NR
430	156	NR	560	624	NR	690	225	NR	820	4	NR	950	0	NR
435	250	NR	565	662	NR	695	194	NR	825	4	NR	955	0	NR
440	391	NR	570	707	NR	700	166	NR	830	3	NR	960	0	NR
445	460	NR	575	756	NR	705	143	NR	835	3	NR	965	0	NR
450	293	NR	580	810	NR	710	122	NR	840	2	NR	970	0	NR
455	188	NR	585	860	NR	715	105	NR	845	2	NR	975	0	NR
460	149	NR	590	910	NR	720	90	NR	850	2	NR	980	0	NR
465	103	NR	595	950	NR	725	77	NR	855	2	NR	985	0	NR
470	80	NR	600	980	NR	730	66	NR	860	1	NR	990	0	NR
475	82	NR	605	995	NR	735	56	NR	865	1	NR	995	0	NR
480	92	NR	610	998	NR	740	48	NR	870	1	NR	1000	0	NR
485	116	NR	615	985	NR	745	41	NR	875	1	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.16

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	158	NR	620	959	NR	750	35	NR	880	1	NR
365	0	NR	495	211	NR	625	918	NR	755	30	NR	885	1	NR
370	0	NR	500	264	NR	630	873	NR	760	26	NR	890	1	NR
375	0	NR	505	318	NR	635	816	NR	765	22	NR	895	1	NR
380	0	NR	510	363	NR	640	755	NR	770	19	NR	900	1	NR
385	0	NR	515	403	NR	645	689	NR	775	16	NR	905	1	NR
390	0	NR	520	435	NR	650	626	NR	780	14	NR	910	0	NR
395	1	NR	525	459	NR	655	564	NR	785	12	NR	915	0	NR
400	3	NR	530	481	NR	660	503	NR	790	10	NR	920	0	NR
405	6	NR	535	501	NR	665	447	NR	795	9	NR	925	0	NR
410	13	NR	540	519	NR	670	392	NR	800	8	NR	930	0	NR
415	26	NR	545	542	NR	675	343	NR	805	7	NR	935	0	NR
420	51	NR	550	565	NR	680	299	NR	810	6	NR	940	0	NR
425	93	NR	555	593	NR	685	260	NR	815	5	NR	945	0	NR
430	156	NR	560	624	NR	690	225	NR	820	4	NR	950	0	NR
435	250	NR	565	662	NR	695	194	NR	825	4	NR	955	0	NR
440	391	NR	570	707	NR	700	166	NR	830	3	NR	960	0	NR
445	460	NR	575	756	NR	705	143	NR	835	3	NR	965	0	NR
450	293	NR	580	810	NR	710	122	NR	840	2	NR	970	0	NR
455	188	NR	585	860	NR	715	105	NR	845	2	NR	975	0	NR
460	149	NR	590	910	NR	720	90	NR	850	2	NR	980	0	NR
465	103	NR	595	950	NR	725	77	NR	855	2	NR	985	0	NR
470	80	NR	600	980	NR	730	66	NR	860	1	NR	990	0	NR
475	82	NR	605	995	NR	735	56	NR	865	1	NR	995	0	NR
480	92	NR	610	998	NR	740	48	NR	870	1	NR	1000	0	NR
485	116	NR	615	985	NR	745	41	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-8

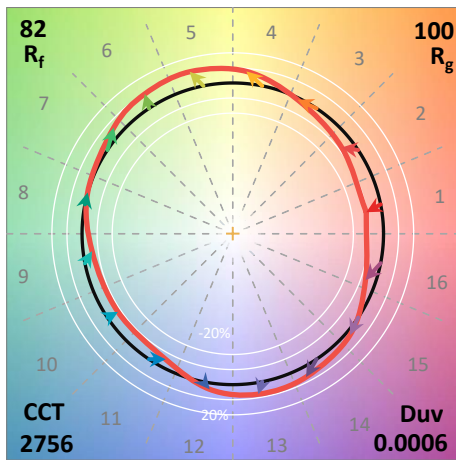
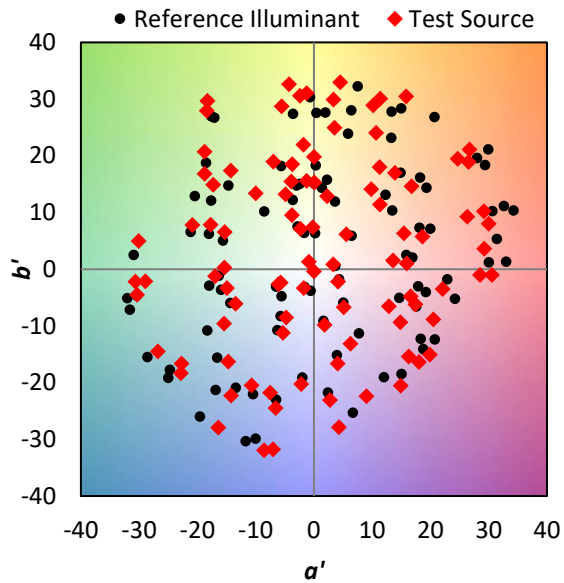
TM-30-18

Summary

$R_f = 82.2$
 $R_g = 99.9$
 $CIE R_a = 82.9$
 $R_9 = 10.8$



Color Vector Graphics



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

CES01 = 86	CES26 = 76	CES51 = 89	CES76 = 75
CES02 = 63	CES27 = 89	CES52 = 91	CES77 = 87
CES03 = 31	CES28 = 90	CES53 = 82	CES78 = 76
CES04 = 71	CES29 = 68	CES54 = 88	CES79 = 91
CES05 = 50	CES30 = 69	CES55 = 87	CES80 = 90
CES06 = 52	CES31 = 72	CES56 = 80	CES81 = 74
CES07 = 43	CES32 = 71	CES57 = 78	CES82 = 95
CES08 = 42	CES33 = 71	CES58 = 80	CES83 = 90
CES09 = 29	CES34 = 84	CES59 = 93	CES84 = 94
CES10 = 77	CES35 = 92	CES60 = 96	CES85 = 83
CES11 = 59	CES36 = 92	CES61 = 94	CES86 = 69
CES12 = 66	CES37 = 89	CES62 = 84	CES87 = 85
CES13 = 44	CES38 = 75	CES63 = 79	CES88 = 84
CES14 = 74	CES39 = 93	CES64 = 85	CES89 = 74
CES15 = 72	CES40 = 89	CES65 = 79	CES90 = 81
CES16 = 48	CES41 = 85	CES66 = 83	CES91 = 96
CES17 = 50	CES42 = 88	CES67 = 82	CES92 = 72
CES18 = 57	CES43 = 81	CES68 = 86	CES93 = 84
CES19 = 73	CES44 = 98	CES69 = 92	CES94 = 63
CES20 = 67	CES45 = 87	CES70 = 81	CES95 = 80
CES21 = 87	CES46 = 82	CES71 = 81	CES96 = 85
CES22 = 79	CES47 = 76	CES72 = 93	CES97 = 87
CES23 = 92	CES48 = 71	CES73 = 75	CES98 = 82
CES24 = 91	CES49 = 81	CES74 = 91	CES99 = 76
CES25 = 72	CES50 = 88	CES75 = 79	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)