

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: P1049277

Luminaire Tested: **GALN-SA9A-850-U-RBC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1049277
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA9A-850-U-RBC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 615mA 9xLight Square PACKAGE
80CRI 5000K FIXTURE w/ RIGHT CORNER BACKLIGHT CONTROL
Light Source: (126) 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

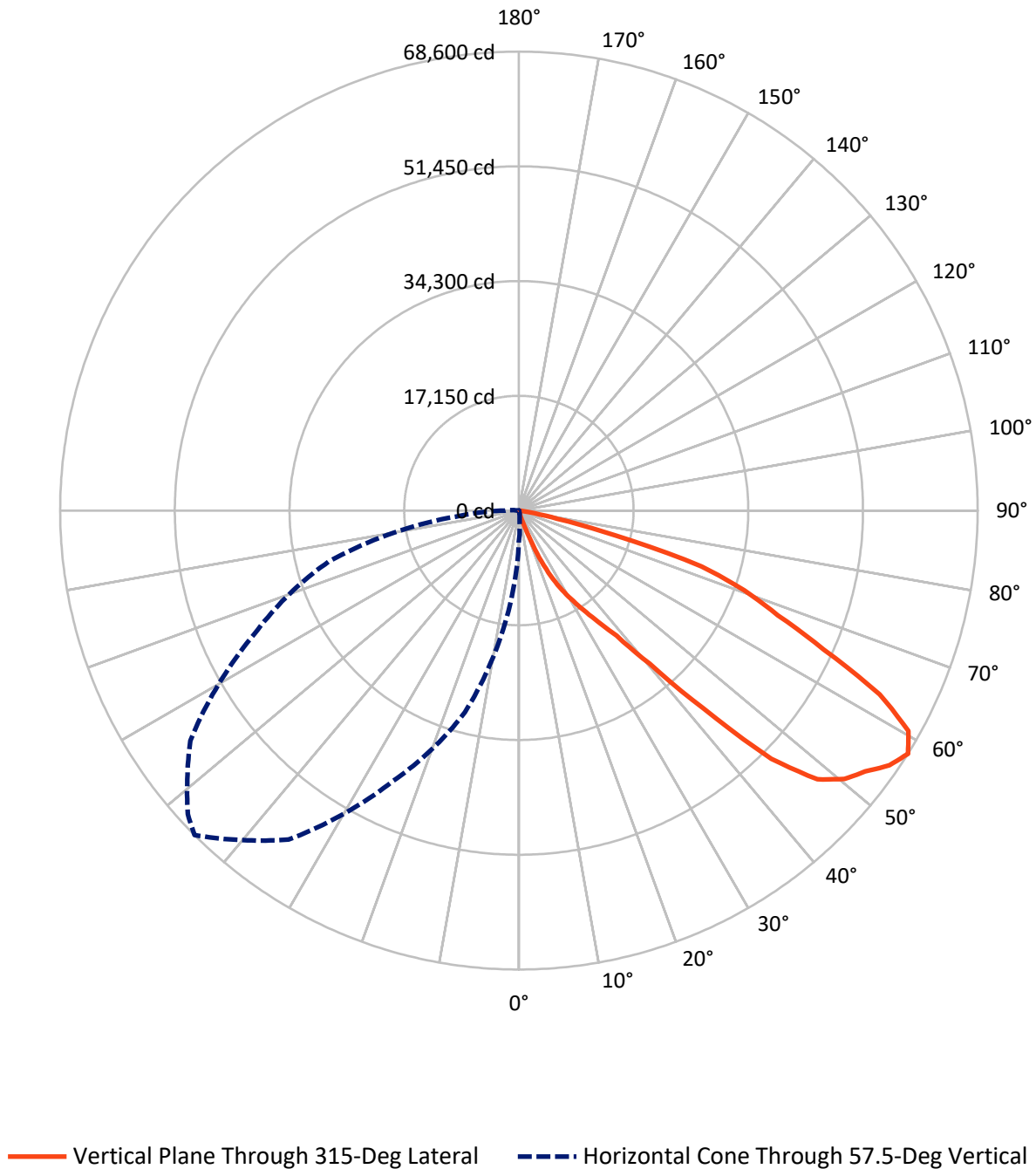
Lumens per Lamp: N/A
Luminaire Lumens: 26752.1 lumens
Efficiency: N/A
Efficacy: 109.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G4

Input Watts (W): 244.6
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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CATALOG NUMBER: GALN-SA9A-850-U-RBC

Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	134.0	0.0	134.0
	% Fixture	0.5	0.0	0.5
Street Side	Lumens	26618.1	0.0	26618.1
	% Fixture	99.5	0.0	99.5
Total	Lumens	26752.1	0.0	26752.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.5	0.0
10°-20°	58.8	0.2
20°-30°	634.0	2.4
30°-40°	1874.8	7.0
40°-50°	5587.4	20.9
50°-60°	8859.7	33.1
60°-70°	7395.7	27.6
70°-80°	2280.5	8.5
80°-90°	50.7	0.2
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	26752.1	100.0
0°-180°	26752.1	100.0



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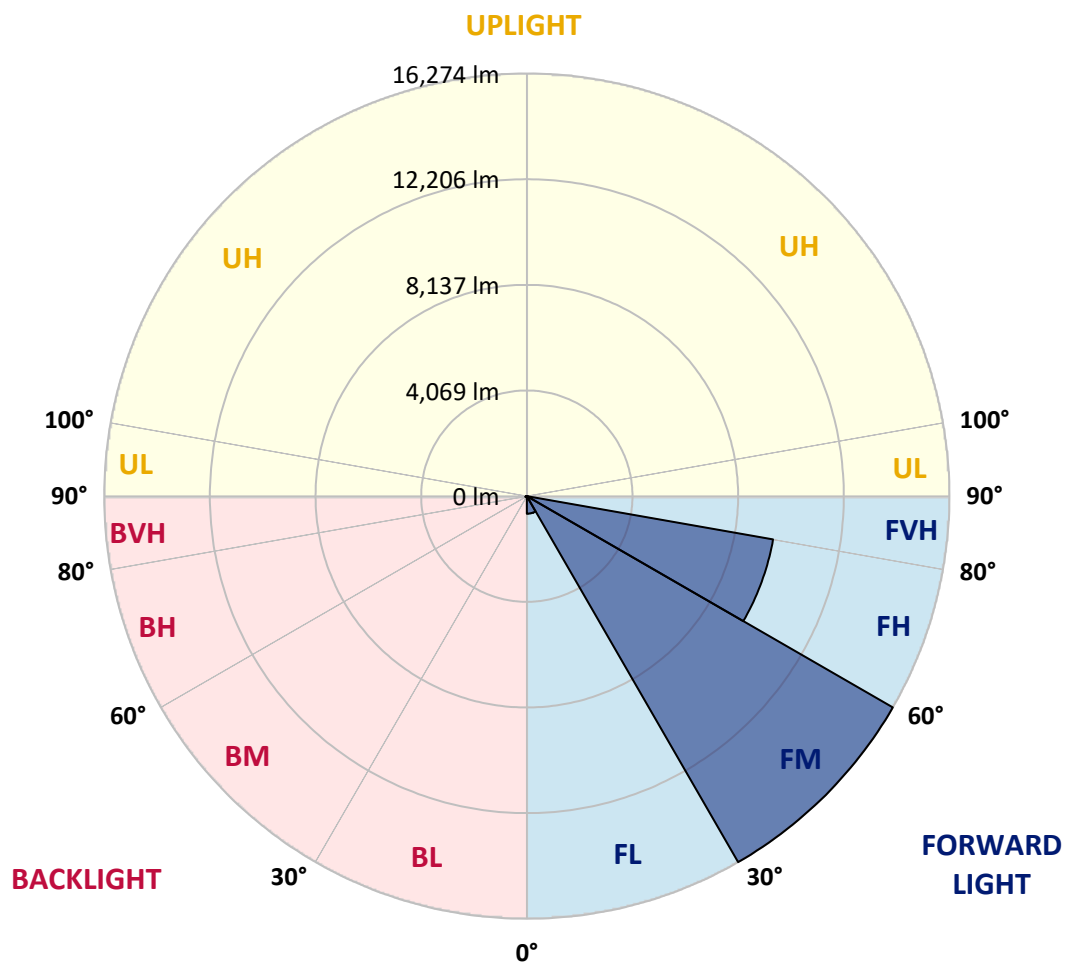
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	678.6	2.5			
FM	(30°-60°)	16274.0	60.8			
FH	(60°-80°)	9626.3	36.0			G4/12000
FVH	(80°-90°)	39.2	0.1			G1/100
BL	(0°-30°)	24.6	0.1	B0/110		
BM	(30°-60°)	47.9	0.2	B0/220		
BH	(60°-80°)	50.0	0.2	B0/110		G0/110
BVH	(80°-90°)	11.5	0.0			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G4

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°	117.3	117.3	117.3	117.3	117.3	117.3	117.3	117.3	117.3	117.3
2.5°	107.1	107.1	107.1	107.1	105.1	105.1	103.1	103.1	101.1	101.1
5°	113.2	113.2	111.2	109.2	109.2	107.1	105.1	103.1	103.1	101.1
7.5°	123.3	121.3	119.3	117.3	113.2	111.2	107.1	105.1	103.1	99.1
10°	135.4	131.4	127.4	123.3	119.3	115.2	111.2	109.2	105.1	103.1
12.5°	151.6	145.6	137.5	131.4	127.4	121.3	117.3	113.2	107.1	103.1
15°	165.8	157.7	147.6	139.5	133.4	125.3	119.3	113.2	109.2	103.1
17.5°	186.0	171.8	155.7	145.6	137.5	127.4	117.3	111.2	105.1	97.0
20°	220.4	192.1	161.7	149.6	137.5	125.3	113.2	105.1	99.1	91.0
22.5°	274.9	226.4	177.9	159.7	143.5	125.3	109.2	101.1	93.0	84.9
25°	380.1	293.1	206.2	181.9	157.7	133.4	109.2	99.1	91.0	80.9
27.5°	505.4	376.0	244.6	210.2	177.9	143.5	109.2	97.0	86.9	74.8
30°	632.8	460.9	287.1	242.6	198.1	153.6	109.2	95.0	82.9	68.7
32.5°	754.1	539.8	323.5	270.9	218.3	163.8	111.2	95.0	78.8	62.7
35°	877.4	604.5	329.5	274.9	220.4	163.8	109.2	91.0	74.8	56.6
37.5°	1035.1	677.2	317.4	262.8	210.2	155.7	103.1	86.9	70.8	52.6
40°	1273.6	798.5	323.5	266.9	210.2	153.6	97.0	80.9	66.7	50.5
42.5°	1714.3	1033.1	349.7	285.1	220.4	153.6	89.0	74.8	62.7	48.5
45°	2963.7	1716.4	469.0	372.0	274.9	177.9	80.9	68.7	58.6	46.5
47.5°	4902.5	2872.7	843.0	651.0	460.9	268.9	78.8	68.7	58.6	46.5
50°	6257.0	3659.2	1061.4	816.7	572.1	327.5	82.9	70.8	60.6	48.5
52.5°	6246.8	3715.8	1182.7	907.7	634.8	359.9	86.9	74.8	64.7	52.6
55°	5553.4	3380.2	1204.9	925.9	648.9	370.0	93.0	80.9	68.7	56.6
57.5°	4641.7	2870.7	1099.8	851.1	604.5	355.8	107.1	93.0	80.9	66.7
60°	3671.3	2264.2	857.2	677.2	499.3	319.4	141.5	123.3	107.1	89.0
62.5°	2535.1	1641.6	748.0	600.4	454.9	307.3	161.7	143.5	127.4	109.2
65°	1793.2	1235.2	675.2	549.9	426.6	301.2	175.9	155.7	137.5	117.3
67.5°	1340.3	982.5	622.7	515.5	408.4	301.2	194.1	169.8	147.6	123.3
70°	1027.0	806.6	584.3	497.3	412.4	325.5	238.6	204.2	171.8	137.5
72.5°	837.0	689.4	539.8	477.1	414.4	351.8	289.1	244.6	200.1	153.6
75°	693.4	590.3	487.2	434.7	384.1	331.5	279.0	238.6	200.1	159.7
77.5°	460.9	420.5	378.0	347.7	317.4	285.1	254.7	220.4	188.0	153.6
80°	161.7	155.7	149.6	161.7	173.9	186.0	198.1	173.9	151.6	127.4
82.5°	24.3	22.2	20.2	22.2	24.3	26.3	28.3	30.3	32.3	34.4
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°	117.3	117.3	117.3	117.3	117.3	117.3	117.3	117.3	117.3	117.3
0.0	2.5°	99.1	99.1	97.0	97.0	97.0	95.0	95.0	93.0	93.0	93.0
0.0	5°	97.0	97.0	95.0	93.0	91.0	91.0	89.0	86.9	86.9	84.9
0.0	7.5°	95.0	93.0	91.0	89.0	86.9	84.9	82.9	80.9	80.9	78.8
0.0	10°	97.0	93.0	91.0	86.9	84.9	82.9	78.8	76.8	74.8	74.8
0.0	12.5°	93.0	91.0	86.9	82.9	80.9	76.8	74.8	70.8	68.7	68.7
0.0	15°	93.0	89.0	82.9	78.8	74.8	72.8	68.7	64.7	62.7	60.6
0.0	17.5°	86.9	82.9	76.8	72.8	68.7	64.7	60.6	56.6	54.6	52.6
0.0	20°	78.8	74.8	68.7	62.7	58.6	54.6	50.5	46.5	44.5	42.5
0.0	22.5°	70.8	66.7	60.6	54.6	50.5	46.5	40.4	36.4	34.4	30.3
0.0	25°	66.7	60.6	54.6	48.5	42.5	38.4	32.3	26.3	22.2	18.2
0.0	27.5°	56.6	50.5	44.5	38.4	32.3	26.3	20.2	14.2	10.1	8.1
0.0	30°	48.5	42.5	36.4	30.3	22.2	16.2	10.1	2.0	2.0	2.0
0.0	32.5°	40.4	34.4	26.3	20.2	16.2	10.1	6.1	0.0	0.0	0.0
0.0	35°	32.3	26.3	18.2	12.1	10.1	6.1	4.0	0.0	0.0	0.0
0.0	37.5°	28.3	22.2	14.2	6.1	4.0	4.0	2.0	0.0	0.0	0.0
0.0	40°	26.3	18.2	10.1	2.0	2.0	2.0	0.0	0.0	0.0	0.0
0.0	42.5°	26.3	18.2	8.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	26.3	18.2	8.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	26.3	18.2	8.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	28.3	20.2	10.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	32.3	24.3	16.2	8.1	6.1	4.0	2.0	0.0	0.0	0.0
0.0	55°	40.4	36.4	30.3	26.3	20.2	14.2	6.1	0.0	0.0	0.0
0.0	57.5°	52.6	52.6	50.5	48.5	36.4	24.3	12.1	0.0	0.0	0.0
0.0	60°	70.8	70.8	70.8	70.8	52.6	36.4	18.2	0.0	0.0	0.0
0.0	62.5°	86.9	82.9	76.8	72.8	54.6	36.4	18.2	0.0	0.0	0.0
0.0	65°	86.9	78.8	68.7	58.6	44.5	30.3	14.2	0.0	0.0	0.0
0.0	67.5°	80.9	64.7	46.5	30.3	22.2	16.2	8.1	0.0	0.0	0.0
	70°	80.9	56.6	32.3	8.1	6.1	4.0	2.0	0.0	0.0	0.0
	72.5°	80.9	54.6	26.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	75°	89.0	60.6	30.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	77.5°	89.0	60.6	30.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	80°	78.8	52.6	26.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	82.5°	26.3	18.2	8.1	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°	117.3	117.3	117.3	117.3	117.3	117.3	117.3	117.3	117.3	117.3
0.0	2.5°	91.0	91.0	91.0	89.0	89.0	89.0	89.0	86.9	86.9	86.9
0.0	5°	82.9	82.9	80.9	80.9	78.8	78.8	76.8	76.8	74.8	74.8
0.0	7.5°	76.8	74.8	74.8	72.8	70.8	70.8	68.7	68.7	66.7	64.7
0.0	10°	70.8	68.7	68.7	66.7	64.7	62.7	62.7	60.6	58.6	56.6
0.0	12.5°	64.7	62.7	60.6	58.6	56.6	54.6	54.6	52.6	50.5	48.5
0.0	15°	56.6	54.6	52.6	50.5	48.5	46.5	46.5	44.5	42.5	40.4
0.0	17.5°	48.5	46.5	46.5	44.5	42.5	40.4	38.4	34.4	32.3	30.3
0.0	20°	36.4	34.4	32.3	30.3	28.3	24.3	22.2	18.2	14.2	12.1
0.0	22.5°	24.3	20.2	18.2	14.2	10.1	8.1	6.1	2.0	0.0	0.0
0.0	25°	8.1	6.1	4.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	32.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1049277

CATALOG NUMBER: GALN-SA9A-850-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049277

CATALOG NUMBER: GALN-SA9A-850-U-RBC

CANDELA DISTRIBUTION (continued):

80°		82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°
0.0	0°	117.3	117.3	117.3	117.3	117.3	117.3	117.3	117.3	117.3	117.3
0.0	2.5°	84.9	84.9	84.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
0.0	5°	72.8	72.8	72.8	70.8	70.8	68.7	68.7	68.7	66.7	66.7
0.0	7.5°	62.7	60.6	60.6	58.6	58.6	56.6	56.6	56.6	54.6	54.6
0.0	10°	52.6	50.5	50.5	48.5	48.5	46.5	46.5	44.5	44.5	42.5
0.0	12.5°	46.5	44.5	42.5	40.4	40.4	38.4	36.4	36.4	34.4	32.3
0.0	15°	36.4	34.4	32.3	30.3	28.3	26.3	24.3	24.3	22.2	20.2
0.0	17.5°	24.3	20.2	18.2	16.2	16.2	14.2	12.1	10.1	8.1	6.1
0.0	20°	6.1	4.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	32.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1049277

CATALOG NUMBER: GALN-SA9A-850-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049277

CATALOG NUMBER: GALN-SA9A-850-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°	117.3	117.3	117.3	117.3	117.3	117.3	117.3	117.3	117.3	117.3
0.0	2.5°	82.9	80.9	80.9	80.9	82.9	82.9	82.9	82.9	82.9	82.9
0.0	5°	66.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
0.0	7.5°	54.6	52.6	52.6	52.6	52.6	50.5	50.5	50.5	50.5	50.5
0.0	10°	42.5	40.4	40.4	40.4	40.4	38.4	38.4	38.4	38.4	38.4
0.0	12.5°	30.3	30.3	28.3	28.3	28.3	26.3	26.3	26.3	26.3	24.3
0.0	15°	18.2	16.2	14.2	14.2	14.2	12.1	12.1	12.1	12.1	10.1
0.0	17.5°	4.0	4.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
0.0	20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	32.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CATALOG NUMBER: GALN-SA9A-850-U-RBC

[illegible]

REPORT NUMBER: P1049277

CATALOG NUMBER: GALN-SA9A-850-U-RBC

CANDELA DISTRIBUTION (continued):

135°		137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°
0.0	0°	117.3	117.3	117.3	117.3	117.3	117.3	117.3	117.3	117.3	117.3
0.0	2.5°	84.9	84.9	86.9	86.9	89.0	93.0	95.0	97.0	101.1	105.1
0.0	5°	66.7	68.7	68.7	70.8	72.8	74.8	76.8	78.8	82.9	86.9
0.0	7.5°	52.6	52.6	54.6	54.6	56.6	60.6	62.7	64.7	68.7	74.8
0.0	10°	40.4	40.4	42.5	42.5	44.5	48.5	50.5	52.6	56.6	62.7
0.0	12.5°	26.3	28.3	28.3	30.3	32.3	36.4	38.4	40.4	44.5	48.5
0.0	15°	12.1	14.2	14.2	16.2	18.2	22.2	24.3	26.3	30.3	36.4
0.0	17.5°	2.0	2.0	4.0	4.0	6.1	8.1	10.1	12.1	18.2	22.2
0.0	20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	8.1
0.0	22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
0.0	25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	32.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1049277

CATALOG NUMBER: GALN-SA9A-850-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049277

CATALOG NUMBER: GALN-SA9A-850-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°	117.3	117.3	117.3	117.3	117.3	117.3	117.3	117.3	117.3	117.3
0.0	2.5°	111.2	115.2	119.3	123.3	127.4	131.4	133.4	137.5	139.5	141.5
0.0	5°	95.0	99.1	105.1	109.2	113.2	117.3	121.3	123.3	125.3	127.4
0.0	7.5°	82.9	86.9	93.0	97.0	101.1	105.1	109.2	113.2	115.2	117.3
0.0	10°	70.8	76.8	80.9	86.9	91.0	95.0	99.1	103.1	107.1	109.2
0.0	12.5°	56.6	62.7	68.7	72.8	78.8	84.9	89.0	93.0	97.0	101.1
0.0	15°	44.5	50.5	56.6	60.6	66.7	72.8	78.8	82.9	86.9	91.0
0.0	17.5°	32.3	38.4	44.5	48.5	54.6	60.6	64.7	70.8	74.8	78.8
0.0	20°	16.2	22.2	28.3	34.4	40.4	46.5	50.5	56.6	60.6	64.7
0.0	22.5°	2.0	8.1	14.2	18.2	24.3	30.3	34.4	40.4	44.5	48.5
0.0	25°	0.0	2.0	6.1	8.1	10.1	14.2	18.2	22.2	26.3	30.3
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	2.0	4.0	8.1	12.1	16.2
0.0	30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0
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	2.0
	82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	4.0
	85°	0.0	0.0	0.0	0.0	0.0	4.0	6.1	10.1	12.1	14.2
	87.5°	0.0	2.0	4.0	6.1	8.1	12.1	16.2	20.2	22.2	24.3
	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1049277

CATALOG NUMBER: GALN-SA9A-850-U-RBC

CANDELA DISTRIBUTION (continued):

190°		165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°
117.3	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
141.5	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
129.4	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
119.3	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
113.2	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
103.1	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95.0	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
84.9	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
68.7	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.6	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36.4	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20.2	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.1	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											
2.0											
8.1											
18.2											
26.3											
0.0											
0.0											
0.0											
0.0											
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0.0											

REPORT NUMBER: P1049277

CATALOG NUMBER: GALN-SA9A-850-U-RBC

CANDELA DISTRIBUTION (continued):

190°		192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°
0.0	0°	117.3	117.3	117.3	117.3	117.3	117.3	117.3	117.3	117.3	117.3
0.0	2.5°	143.5	143.5	143.5	143.5	141.5	141.5	141.5	139.5	139.5	137.5
0.0	5°	131.4	133.4	133.4	133.4	133.4	133.4	133.4	133.4	131.4	131.4
0.0	7.5°	121.3	123.3	125.3	125.3	127.4	127.4	127.4	125.3	125.3	123.3
0.0	10°	115.2	117.3	117.3	119.3	119.3	119.3	119.3	119.3	119.3	119.3
0.0	12.5°	107.1	109.2	111.2	111.2	113.2	113.2	113.2	113.2	111.2	111.2
0.0	15°	97.0	101.1	103.1	105.1	105.1	107.1	107.1	107.1	107.1	107.1
0.0	17.5°	89.0	93.0	95.0	97.0	97.0	99.1	99.1	101.1	101.1	101.1
0.0	20°	72.8	76.8	78.8	82.9	84.9	86.9	89.0	91.0	91.0	93.0
0.0	22.5°	56.6	60.6	62.7	66.7	68.7	70.8	72.8	74.8	76.8	78.8
0.0	25°	40.4	44.5	46.5	50.5	52.6	54.6	56.6	58.6	58.6	60.6
0.0	27.5°	22.2	26.3	30.3	32.3	36.4	38.4	40.4	42.5	44.5	46.5
0.0	30°	10.1	12.1	14.2	18.2	20.2	22.2	24.3	28.3	30.3	32.3
0.0	32.5°	0.0	0.0	2.0	6.1	8.1	10.1	12.1	14.2	14.2	16.2
0.0	35°	0.0	0.0	0.0	0.0	0.0	0.0	2.0	4.0	6.1	8.1
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°	4.0	4.0	4.0	6.1	6.1	6.1	6.1	6.1	6.1	6.1
	82.5°	10.1	12.1	14.2	14.2	16.2	16.2	16.2	16.2	14.2	14.2
	85°	20.2	22.2	24.3	24.3	26.3	26.3	26.3	26.3	26.3	26.3
	87.5°	28.3	30.3	32.3	32.3	34.4	34.4	34.4	34.4	34.4	34.4
	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1049277

CATALOG NUMBER: GALN-SA9A-850-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049277

CATALOG NUMBER: GALN-SA9A-850-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°	117.3	117.3	117.3	117.3	117.3	117.3	117.3	117.3	117.3	117.3
0.0	2.5°	135.4	135.4	133.4	133.4	133.4	133.4	133.4	135.4	137.5	137.5
0.0	5°	129.4	129.4	127.4	127.4	127.4	129.4	129.4	131.4	133.4	135.4
0.0	7.5°	123.3	121.3	121.3	123.3	123.3	125.3	125.3	127.4	129.4	131.4
0.0	10°	119.3	117.3	117.3	117.3	119.3	119.3	121.3	123.3	125.3	127.4
0.0	12.5°	111.2	111.2	111.2	111.2	113.2	113.2	115.2	117.3	121.3	123.3
0.0	15°	107.1	105.1	105.1	105.1	105.1	107.1	107.1	111.2	115.2	117.3
0.0	17.5°	99.1	99.1	97.0	97.0	99.1	99.1	101.1	105.1	109.2	111.2
0.0	20°	91.0	89.0	86.9	86.9	89.0	89.0	91.0	95.0	99.1	101.1
0.0	22.5°	78.8	76.8	76.8	76.8	76.8	78.8	78.8	82.9	89.0	93.0
0.0	25°	62.7	64.7	64.7	66.7	66.7	68.7	70.8	74.8	80.9	84.9
0.0	27.5°	48.5	50.5	50.5	54.6	56.6	58.6	60.6	66.7	72.8	76.8
0.0	30°	36.4	38.4	40.4	42.5	46.5	50.5	54.6	60.6	66.7	70.8
0.0	32.5°	22.2	26.3	28.3	32.3	36.4	40.4	44.5	50.5	58.6	64.7
0.0	35°	16.2	18.2	22.2	24.3	28.3	32.3	36.4	44.5	50.5	58.6
0.0	37.5°	8.1	12.1	16.2	20.2	24.3	28.3	32.3	40.4	48.5	54.6
0.0	40°	6.1	10.1	12.1	16.2	22.2	26.3	30.3	38.4	46.5	54.6
0.0	42.5°	4.0	6.1	8.1	14.2	18.2	24.3	30.3	38.4	46.5	54.6
0.0	45°	4.0	4.0	6.1	12.1	18.2	26.3	32.3	40.4	46.5	54.6
0.0	47.5°	4.0	6.1	8.1	16.2	20.2	26.3	32.3	38.4	46.5	52.6
0.0	50°	6.1	8.1	10.1	18.2	22.2	28.3	32.3	40.4	46.5	54.6
0.0	52.5°	4.0	6.1	8.1	16.2	22.2	30.3	36.4	44.5	52.6	58.6
0.0	55°	2.0	2.0	2.0	12.1	24.3	34.4	46.5	52.6	60.6	66.7
0.0	57.5°	0.0	0.0	0.0	8.1	24.3	38.4	52.6	60.6	68.7	74.8
0.0	60°	0.0	0.0	0.0	8.1	24.3	38.4	52.6	62.7	72.8	82.9
0.0	62.5°	0.0	0.0	0.0	8.1	20.2	32.3	44.5	60.6	78.8	95.0
0.0	65°	0.0	0.0	0.0	6.1	16.2	26.3	36.4	60.6	84.9	107.1
0.0	67.5°	0.0	0.0	0.0	6.1	16.2	24.3	34.4	60.6	84.9	111.2
	70°	0.0	0.0	0.0	6.1	16.2	26.3	36.4	60.6	84.9	109.2
	72.5°	0.0	0.0	0.0	6.1	18.2	28.3	40.4	60.6	80.9	101.1
	75°	0.0	0.0	0.0	8.1	18.2	30.3	42.5	60.6	78.8	95.0
	77.5°	0.0	0.0	0.0	6.1	18.2	28.3	40.4	58.6	76.8	93.0
	80°	6.1	4.0	4.0	10.1	18.2	26.3	34.4	52.6	72.8	91.0
	82.5°	12.1	12.1	10.1	14.2	18.2	24.3	30.3	46.5	64.7	80.9
	85°	24.3	24.3	22.2	24.3	24.3	26.3	28.3	36.4	44.5	52.6
	87.5°	32.3	32.3	30.3	30.3	30.3	28.3	28.3	28.3	28.3	26.3
	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1049277

CATALOG NUMBER: GALN-SA9A-850-U-RBC

CANDELA DISTRIBUTION (continued):

245°		220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°
117.3	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
139.5	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
133.4	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
129.4	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125.3	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
121.3	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115.2	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105.1	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.0	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
89.0	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.9	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
76.8	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70.8	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
64.7	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.7	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.7	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.7	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60.6	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58.6	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60.6	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66.7	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.8	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.9	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
93.0	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
111.2	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
131.4	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135.4	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
133.4											
121.3											
113.2											
111.2											
109.2											
97.0											
60.6											
26.3											
0.0											
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REPORT NUMBER: P1049277

CATALOG NUMBER: GALN-SA9A-850-U-RBC

CANDELA DISTRIBUTION (continued):

245°		247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°
0.0	0°	117.3	117.3	117.3	117.3	117.3	117.3	117.3	117.3	117.3	117.3
0.0	2.5°	141.5	143.5	143.5	145.6	147.6	149.6	149.6	151.6	151.6	151.6
0.0	5°	139.5	143.5	145.6	147.6	149.6	151.6	153.6	155.7	157.7	157.7
0.0	7.5°	137.5	139.5	143.5	145.6	149.6	151.6	155.7	157.7	159.7	161.7
0.0	10°	133.4	137.5	141.5	145.6	149.6	153.6	157.7	161.7	165.8	167.8
0.0	12.5°	129.4	135.4	139.5	143.5	149.6	155.7	159.7	165.8	169.8	173.9
0.0	15°	127.4	131.4	137.5	141.5	149.6	157.7	163.8	171.8	179.9	186.0
0.0	17.5°	121.3	129.4	135.4	141.5	149.6	159.7	167.8	175.9	188.0	200.1
0.0	20°	113.2	119.3	127.4	133.4	145.6	155.7	167.8	177.9	196.1	214.3
0.0	22.5°	105.1	113.2	119.3	127.4	141.5	153.6	167.8	179.9	210.2	238.6
0.0	25°	97.0	107.1	115.2	123.3	139.5	155.7	171.8	188.0	238.6	289.1
0.0	27.5°	93.0	101.1	111.2	119.3	139.5	161.7	181.9	202.2	283.0	361.9
0.0	30°	86.9	97.0	105.1	115.2	141.5	167.8	194.1	220.4	343.7	467.0
0.0	32.5°	80.9	91.0	101.1	111.2	145.6	179.9	212.3	246.6	408.4	568.1
0.0	35°	74.8	86.9	97.0	107.1	151.6	198.1	242.6	287.1	467.0	644.9
0.0	37.5°	72.8	84.9	95.0	105.1	153.6	200.1	248.7	295.2	473.1	651.0
0.0	40°	74.8	84.9	97.0	107.1	147.6	188.0	226.4	266.9	452.8	636.8
0.0	42.5°	74.8	86.9	99.1	111.2	143.5	175.9	208.2	240.6	446.8	653.0
0.0	45°	72.8	84.9	97.0	109.2	139.5	167.8	198.1	226.4	483.2	737.9
0.0	47.5°	70.8	82.9	95.0	107.1	137.5	167.8	198.1	228.4	624.7	1018.9
0.0	50°	70.8	82.9	93.0	103.1	139.5	177.9	214.3	250.7	909.7	1566.8
0.0	52.5°	74.8	84.9	93.0	101.1	143.5	188.0	230.5	272.9	1156.4	2037.8
0.0	55°	80.9	86.9	95.0	101.1	153.6	204.2	256.7	307.3	1231.2	2155.1
0.0	57.5°	89.0	95.0	101.1	107.1	171.8	236.5	299.2	363.9	1237.2	2108.6
0.0	60°	99.1	107.1	113.2	119.3	188.0	258.8	327.5	396.2	1120.0	1841.7
0.0	62.5°	121.3	131.4	139.5	149.6	216.3	281.0	347.7	412.4	930.0	1447.5
0.0	65°	139.5	147.6	155.7	163.8	228.4	295.2	359.9	424.5	788.4	1152.3
0.0	67.5°	143.5	151.6	157.7	165.8	232.5	299.2	363.9	430.6	675.2	917.8
	70°	145.6	155.7	167.8	177.9	246.6	315.4	382.1	450.8	598.4	746.0
	72.5°	139.5	159.7	177.9	196.1	260.8	323.5	388.2	450.8	555.9	661.1
	75°	139.5	167.8	194.1	220.4	268.9	315.4	363.9	410.4	491.3	572.1
	77.5°	147.6	184.0	220.4	256.7	285.1	311.3	339.6	365.9	418.5	471.0
	80°	147.6	186.0	222.4	260.8	272.9	287.1	299.2	311.3	317.4	323.5
	82.5°	127.4	157.7	188.0	218.3	204.2	190.0	175.9	161.7	151.6	139.5
	85°	64.7	70.8	74.8	78.8	72.8	66.7	60.6	54.6	50.5	44.5
	87.5°	26.3	26.3	24.3	24.3	24.3	24.3	22.2	22.2	22.2	22.2
	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: P1049277

CATALOG NUMBER: GALN-SA9A-850-U-RBC

CANDELA DISTRIBUTION (continued):

272.5°		247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°
117.3	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
151.6	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.7	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
163.8	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
171.8	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
179.9	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
196.1	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
216.3	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
248.7	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
317.4	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
430.6	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
598.4	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
810.7	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1012.8	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1150.3	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1253.4	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1356.5	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1558.7	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1963.0	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2992.0	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4583.0	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5769.7	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5901.1	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5325.0	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4552.7	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3558.1	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2688.8	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1985.2	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1405.0											
1045.2											
760.1											
572.1											
321.4											
145.6											
42.5											
20.2											
0.0											
0.0											
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REPORT NUMBER: P1049277

CATALOG NUMBER: GALN-SA9A-850-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°	117.3	117.3	117.3	117.3	117.3	117.3	117.3	117.3	117.3	117.3
0.0	2.5°	151.6	149.6	149.6	147.6	145.6	143.5	141.5	139.5	137.5	135.4
0.0	5°	157.7	157.7	157.7	155.7	155.7	153.6	153.6	151.6	149.6	147.6
0.0	7.5°	163.8	165.8	165.8	167.8	167.8	167.8	167.8	165.8	165.8	165.8
0.0	10°	173.9	175.9	177.9	179.9	181.9	184.0	184.0	186.0	186.0	186.0
0.0	12.5°	186.0	192.1	196.1	202.2	206.2	212.3	216.3	222.4	226.4	230.5
0.0	15°	204.2	214.3	226.4	236.5	246.6	260.8	277.0	291.1	305.3	327.5
0.0	17.5°	230.5	262.8	295.2	325.5	357.8	428.6	499.3	568.1	638.8	741.9
0.0	20°	281.0	378.0	473.1	570.1	665.1	913.8	1160.4	1409.1	1655.7	1920.6
0.0	22.5°	394.2	632.8	871.3	1109.9	1348.4	1868.0	2385.5	2905.1	3422.6	4031.1
0.0	25°	572.1	1010.8	1449.5	1886.2	2324.9	3137.6	3952.3	4765.0	5577.7	6368.1
0.0	27.5°	832.9	1504.1	2175.3	2844.4	3515.6	4617.4	5721.2	6823.0	7924.8	8818.4
0.0	30°	1154.4	2064.1	2973.8	3883.6	4793.3	6046.7	7300.1	8551.5	9804.9	10781.4
0.0	32.5°	1457.6	2571.5	3685.4	4797.3	5911.3	7338.5	8767.8	10195.1	11622.4	12689.8
0.0	35°	1655.7	3002.1	4350.6	5697.0	7043.4	8587.9	10132.4	11674.9	13219.5	14438.5
0.0	37.5°	1853.8	3408.5	4961.1	6515.7	8068.3	9764.5	11460.6	13156.8	14852.9	16359.0
0.0	40°	2076.2	3899.7	5721.2	7544.7	9366.2	11375.7	13383.2	15392.7	17400.2	19524.9
0.0	42.5°	2462.3	4714.4	6968.6	9220.7	11472.8	14131.2	16789.7	19446.1	22104.5	25137.0
0.0	45°	3188.1	6362.1	9538.1	12712.0	15886.0	19407.7	22931.4	26453.1	29974.7	34009.9
0.0	47.5°	4965.1	9331.9	13696.6	18063.3	22428.0	26230.7	30031.3	33834.0	37634.7	41653.7
0.0	50°	7597.3	12679.7	17762.1	22842.4	27924.8	31365.6	34804.4	38245.2	41684.0	45506.9
0.0	52.5°	9501.7	14796.3	20093.0	25387.7	30682.3	33787.5	36894.8	40000.0	43105.2	46677.5
0.0	55°	9645.2	14909.5	20175.9	25440.2	30704.6	33823.9	36943.3	40062.7	43182.1	46968.6
0.0	57.5°	8539.4	13761.3	18981.1	24203.0	29422.8	32974.8	36524.8	40076.8	43626.8	47720.6
0.0	60°	7263.7	12487.6	17709.5	22933.4	28155.3	32247.1	36340.9	40432.6	44524.4	48359.5
0.0	62.5°	5666.6	11040.1	16415.7	21789.2	27162.7	31317.1	35471.6	39624.0	43778.4	46655.2
0.0	65°	4223.2	9441.0	14658.9	19874.7	25092.5	28420.1	31747.7	35073.3	38400.9	40182.0
0.0	67.5°	3052.7	7552.8	12051.0	16551.1	21049.2	23430.7	25812.2	28191.7	30573.1	31935.7
	70°	2064.1	5181.4	8296.8	11414.1	14529.5	16486.4	18445.4	20402.3	22359.3	24198.9
	72.5°	1429.3	3180.0	4932.8	6683.5	8434.3	10403.3	12370.4	14339.4	16306.5	18253.3
	75°	948.1	1744.7	2543.2	3339.7	4136.3	5593.9	7053.5	8511.1	9968.7	11129.1
	77.5°	673.2	911.8	1152.3	1390.9	1629.4	1902.4	2177.3	2450.2	2723.1	3137.6
	80°	319.4	349.7	380.1	408.4	438.7	537.8	636.8	735.9	834.9	940.1
	82.5°	151.6	163.8	175.9	186.0	198.1	208.2	218.3	228.4	238.6	228.4
	85°	40.4	40.4	42.5	42.5	42.5	42.5	42.5	42.5	42.5	40.4
	87.5°	18.2	18.2	18.2	18.2	18.2	18.2	18.2	16.2	16.2	14.2
	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: P1049277

CATALOG NUMBER: GALN-SA9A-850-U-RBC

CANDELA DISTRIBUTION (continued):

300°		275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°
117.3	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
133.4	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145.6	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
163.8	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
188.0	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
232.5	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
351.8	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
843.0	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2187.4	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4639.6	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7158.6	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9711.9	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11759.8	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13759.2	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15657.5	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17867.2	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21649.7	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28169.4	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38045.1	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45672.7	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49329.9	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50249.7	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50757.1	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
51814.4	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52192.5	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49534.0	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41965.0	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33300.3	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26036.6											
20200.2											
12289.5											
3552.0											
1045.2											
216.3											
38.4											
14.2											
0.0											
0.0											
0.0											
0.0											
0.0											
0.0											
0.0											
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0.0											

REPORT NUMBER: P1049277

CATALOG NUMBER: GALN-SA9A-850-U-RBC

CANDELA DISTRIBUTION (continued):

300°		302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°
0.0	0°	117.3	117.3	117.3	117.3	117.3	117.3	117.3	117.3	117.3
0.0	2.5°	131.4	129.4	127.4	125.3	123.3	119.3	119.3	117.3	117.3
0.0	5°	143.5	141.5	139.5	137.5	137.5	135.4	133.4	133.4	131.4
0.0	7.5°	163.8	161.7	159.7	157.7	157.7	155.7	155.7	153.6	153.6
0.0	10°	188.0	188.0	188.0	188.0	188.0	186.0	186.0	186.0	184.0
0.0	12.5°	236.5	238.6	242.6	246.6	252.7	252.7	252.7	250.7	250.7
0.0	15°	374.0	396.2	412.4	428.6	442.7	475.1	471.0	465.0	460.9
0.0	17.5°	946.1	1047.2	1101.8	1154.4	1208.9	1358.5	1334.3	1310.0	1287.8
0.0	20°	2452.2	2717.1	2893.0	3068.8	3246.7	3527.7	3459.0	3390.3	3321.5
0.0	22.5°	5246.1	5854.6	6119.5	6384.3	6647.1	6986.8	6766.4	6546.0	6327.7
0.0	25°	7947.0	8737.5	9184.3	9631.1	10075.8	10269.9	9982.8	9693.7	9406.7
0.0	27.5°	10605.5	11499.0	11893.3	12285.5	12679.7	13086.0	12730.2	12372.4	12016.6
0.0	30°	12736.3	13712.7	14139.3	14563.8	14990.4	15273.4	14905.5	14535.5	14167.6
0.0	32.5°	14826.7	15894.1	16361.1	16828.1	17293.0	17699.4	17246.5	16791.7	16338.8
0.0	35°	16874.6	18093.6	18736.5	19379.4	20022.2	20400.3	19862.5	19322.8	18785.0
0.0	37.5°	19373.3	20879.4	21599.1	22318.8	23038.5	23727.9	23135.6	22541.2	21948.9
0.0	40°	23774.4	25899.1	27002.9	28108.8	29212.6	30102.1	29354.1	28606.1	27858.1
0.0	42.5°	31201.9	34234.3	35821.3	37406.3	38993.2	40382.1	39595.7	38809.3	38022.9
0.0	45°	42080.3	46115.5	48050.2	49982.8	51917.5	52932.4	51800.3	50666.1	49534.0
0.0	47.5°	49689.7	53708.7	55431.1	57153.6	58876.0	60034.4	58649.6	57264.8	55882.0
0.0	50°	53150.7	56973.6	58702.1	60428.6	62157.1	63076.9	61477.8	59876.7	58277.6
0.0	52.5°	53819.9	57392.1	59454.2	61518.3	63580.3	64809.5	62921.3	61031.1	59142.9
0.0	55°	54543.6	58330.2	60721.7	63115.4	65507.0	67209.2	65074.3	62937.5	60802.6
0.0	57.5°	55906.2	60000.0	62385.6	64769.1	67154.6	68600.0	66459.1	64316.2	62175.3
0.0	60°	56027.5	59860.5	61910.5	63962.4	66012.4	66922.1	64874.2	62824.2	60776.3
0.0	62.5°	52410.8	55287.6	56710.8	58134.1	59557.3	60545.9	58409.0	56270.1	54133.2
0.0	65°	43746.1	45527.2	46661.3	47795.4	48929.6	50108.2	48151.2	46194.3	44237.4
0.0	67.5°	34662.9	36025.5	37519.5	39013.5	40507.4	41766.9	40200.2	38631.4	37064.6
	70°	27876.3	29714.0	31393.9	33073.9	34753.9	35784.9	34212.1	32637.2	31064.4
	72.5°	22147.0	24093.8	25496.8	26897.8	28300.8	28553.5	27397.2	26240.8	25086.4
	75°	13447.9	14608.3	14636.6	14662.9	14691.2	14931.8	13973.5	13015.3	12059.0
	77.5°	3966.4	4380.9	4722.5	5062.2	5403.8	5816.2	5464.5	5110.7	4758.9
	80°	1148.3	1253.4	1342.4	1429.3	1518.2	1465.7	1382.8	1299.9	1217.0
	82.5°	206.2	194.1	192.1	190.0	190.0	179.9	163.8	147.6	131.4
	85°	36.4	34.4	32.3	30.3	28.3	26.3	22.2	20.2	16.2
	87.5°	12.1	10.1	8.1	6.1	6.1	2.0	2.0	2.0	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):

[illegible]

REPORT NUMBER: P1049277

CATALOG NUMBER: GALN-SA9A-850-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°	117.3	117.3	117.3	117.3	117.3	117.3	117.3	117.3	117.3
0.0	0.0	2.5°	115.2	113.2	113.2	113.2	113.2	111.2	111.2	111.2	111.2
0.0	0.0	5°	127.4	127.4	125.3	125.3	123.3	123.3	121.3	121.3	119.3
0.0	0.0	7.5°	149.6	147.6	145.6	143.5	141.5	137.5	135.4	133.4	133.4
0.0	0.0	10°	179.9	175.9	173.9	169.8	167.8	163.8	159.7	155.7	151.6
0.0	0.0	12.5°	236.5	228.4	222.4	214.3	206.2	200.1	192.1	186.0	177.9
0.0	0.0	15°	410.4	390.2	367.9	341.7	313.4	287.1	258.8	242.6	224.4
0.0	0.0	17.5°	1049.2	944.1	837.0	750.0	663.1	578.2	491.3	428.6	365.9
0.0	0.0	20°	2670.6	2379.5	2088.3	1801.3	1512.2	1225.1	936.0	790.5	644.9
0.0	0.0	22.5°	5025.8	4486.0	3944.2	3420.6	2895.0	2371.4	1847.8	1518.2	1190.7
0.0	0.0	25°	7757.0	7077.7	6398.5	5537.3	4674.0	3812.8	2951.6	2415.9	1880.1
0.0	0.0	27.5°	10094.0	9311.6	8529.3	7482.1	6434.9	5387.7	4340.4	3541.9	2745.4
0.0	0.0	30°	12117.7	11276.7	10435.7	9216.6	7997.6	6778.5	5559.5	4560.8	3562.1
0.0	0.0	32.5°	13872.4	12865.7	11858.9	10601.4	9344.0	8086.5	6829.1	5604.0	4378.9
0.0	0.0	35°	15896.1	14721.5	13544.9	12150.0	10753.1	9358.1	7963.2	6580.4	5195.6
0.0	0.0	37.5°	18467.6	17026.2	15582.7	14028.1	12473.5	10920.9	9366.2	7785.3	6204.4
0.0	0.0	40°	23390.3	21530.4	19670.5	17695.3	15718.2	13743.1	11767.9	9827.2	7886.4
0.0	0.0	42.5°	32210.7	29697.8	27184.9	24556.8	21926.6	19298.5	16668.4	13931.1	11191.8
0.0	0.0	45°	42165.2	39047.8	35928.4	32978.9	30027.3	27077.7	24128.2	20372.0	16615.8
0.0	0.0	47.5°	47763.1	44397.1	41031.0	38239.2	35447.3	32655.4	29863.6	25814.2	21764.9
0.0	0.0	50°	49823.1	46396.5	42969.8	40400.3	37828.8	35259.3	32687.8	28632.4	24575.0
0.0	0.0	52.5°	50261.8	46766.4	43271.0	40685.4	38099.7	35516.0	32930.4	28901.3	24872.1
0.0	0.0	55°	51163.5	47413.3	43661.2	40713.7	37766.1	34818.6	31871.0	27777.2	23683.4
0.0	0.0	57.5°	52342.1	48496.9	44651.8	41293.9	37935.9	34580.0	31222.1	26746.2	22270.3
0.0	0.0	60°	52032.8	48687.0	45339.1	41742.7	38144.2	34547.7	30949.2	26026.5	21101.8
0.0	0.0	62.5°	46663.3	43998.8	41332.3	38374.6	35415.0	32457.3	29499.7	24431.4	19363.2
0.0	0.0	65°	38388.8	36444.0	34499.2	32119.7	29738.2	27358.8	24979.3	20434.7	15892.1
0.0	0.0	67.5°	31112.9	28921.5	26728.0	24831.7	22933.4	21037.1	19138.8	15562.5	11986.3
		70°	24718.5	22335.0	19949.5	18097.7	16243.8	14392.0	12540.2	10162.7	7787.3
		72.5°	19630.0	17481.1	15332.1	13356.9	11379.8	9404.6	7427.5	6022.4	4617.4
		75°	9382.4	8523.2	7664.0	6631.0	5597.9	4564.8	3531.8	2919.2	2308.7
		77.5°	3477.2	3014.3	2549.3	2128.8	1708.3	1289.8	869.3	796.5	723.7
		80°	899.6	784.4	667.1	584.3	499.3	416.5	333.6	301.2	270.9
		82.5°	103.1	95.0	89.0	84.9	78.8	74.8	68.7	62.7	56.6
		85°	6.1	4.0	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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CANDELA DISTRIBUTION (continued):

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REPORT NUMBER: P1049277

CATALOG NUMBER: GALN-SA9A-850-U-RBC

CANDELA DISTRIBUTION (continued):

352.5°	355°		357.5°	360°
0.0	0.0	0°	117.3	117.3
0.0	0.0	2.5°	109.2	107.1
0.0	0.0	5°	115.2	113.2
0.0	0.0	7.5°	127.4	123.3
0.0	0.0	10°	139.5	135.4
0.0	0.0	12.5°	157.7	151.6
0.0	0.0	15°	177.9	165.8
0.0	0.0	17.5°	212.3	186.0
0.0	0.0	20°	287.1	220.4
0.0	0.0	22.5°	404.3	274.9
0.0	0.0	25°	594.4	380.1
0.0	0.0	27.5°	826.8	505.4
0.0	0.0	30°	1099.8	632.8
0.0	0.0	32.5°	1340.3	754.1
0.0	0.0	35°	1653.7	877.4
0.0	0.0	37.5°	2039.8	1035.1
0.0	0.0	40°	2638.2	1273.6
0.0	0.0	42.5°	3715.8	1714.3
0.0	0.0	45°	6034.6	2963.7
0.0	0.0	47.5°	9285.4	4902.5
0.0	0.0	50°	11359.6	6257.0
0.0	0.0	52.5°	11529.4	6246.8
0.0	0.0	55°	10524.6	5553.4
0.0	0.0	57.5°	8980.1	4641.7
0.0	0.0	60°	7463.9	3671.3
0.0	0.0	62.5°	5880.9	2535.1
0.0	0.0	65°	4298.0	1793.2
0.0	0.0	67.5°	3087.0	1340.3
		70°	2029.7	1027.0
		72.5°	1322.1	837.0
		75°	889.5	693.4
		77.5°	519.6	460.9
		80°	184.0	161.7
		82.5°	34.4	24.3
		85°	0.0	0.0
		87.5°	0.0	0.0
		90°	0.0	0.0
		92.5°	0.0	0.0
		95°	0.0	0.0
		97.5°	0.0	0.0
		100°	0.0	0.0
		102.5°	0.0	0.0
		105°	0.0	0.0
		107.5°	0.0	0.0
		110°	0.0	0.0



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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: SP1-2407-184-12

Test Date: 10/11/2024

Luminaire Tested: GSS-SB1A-850-U-5WQ

Data in this report applies to families of products including GSS-SB1A-850-U-5WQ

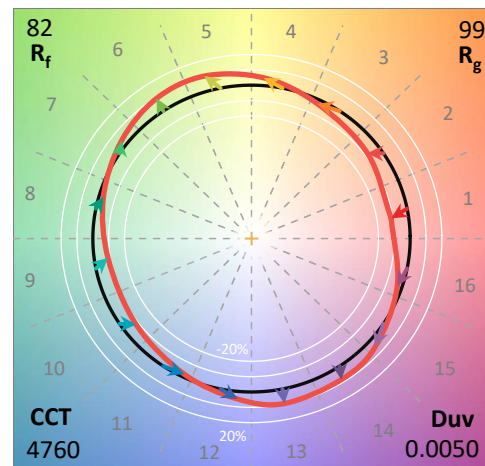
Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-12
 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-850-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI
 5000K CCT 26 LEDS

Spectral Parameters

CCT (K): 4760
 CIE u' : 0.2107
 CIE v' : 0.4939
 Duv: 0.0050
 CIE x: 0.3537
 CIE y: 0.3685
 CIE z: 0.2779
 Peak Wavelength (nm): 443
 Dominant Wavelength (nm): 571
 Purity: 16.69598
 R_f: 82
 R_g: 99.4

CRI (Ra): 81.1
 R1: 79.8
 R2: 83.5
 R3: 87.9
 R4: 83.1
 R5: 80.5
 R6: 79.1
 R7: 86.1
 R8: 69.0
 R9: 8.7
 R10: 62.4
 R11: 83.8
 R12: 63.0
 R13: 79.9
 R14: 93.3
 R15: 72.7



Test Conditions

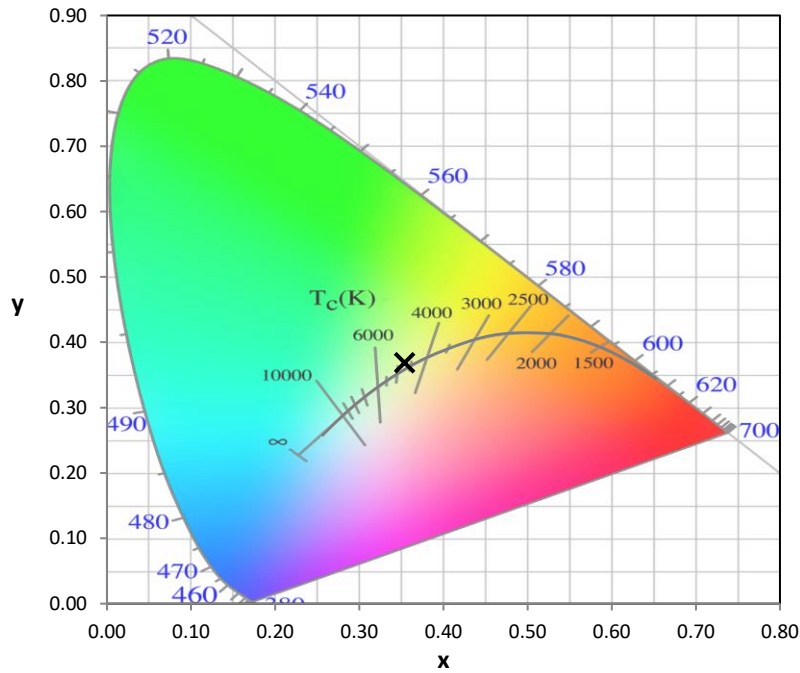
Stabilization Time: 21M
 Operation Time: 1H 21M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-12

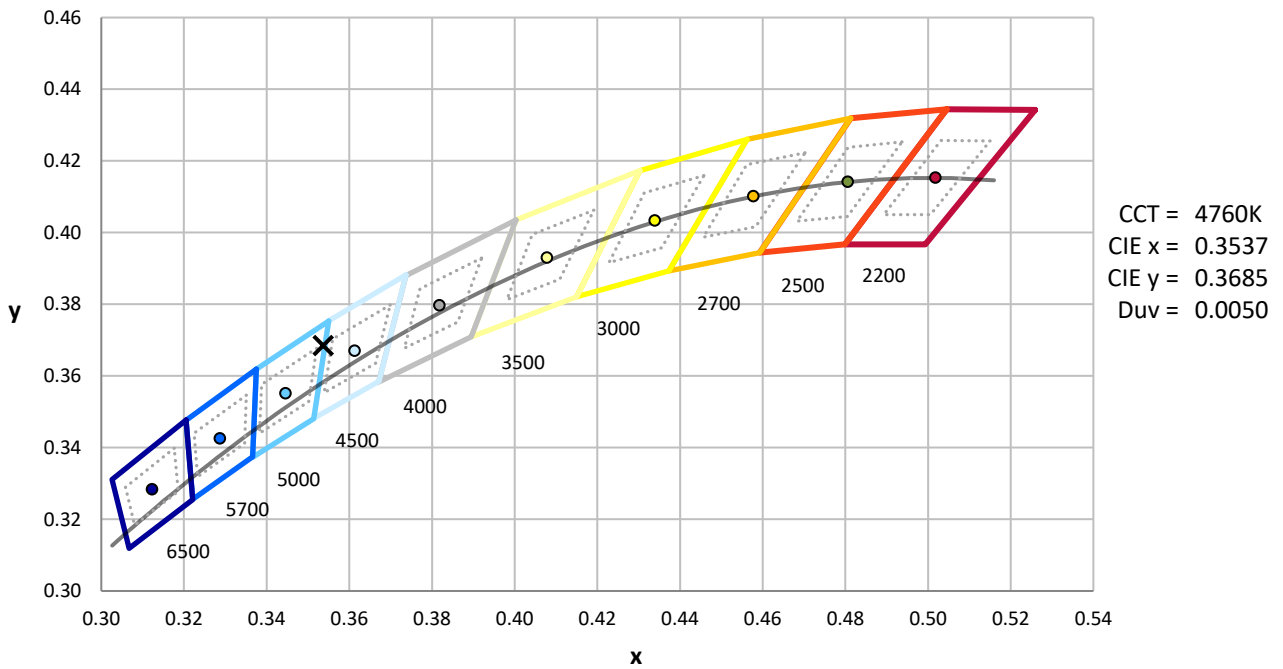
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-12

CIE 1931 Chromaticity Diagram



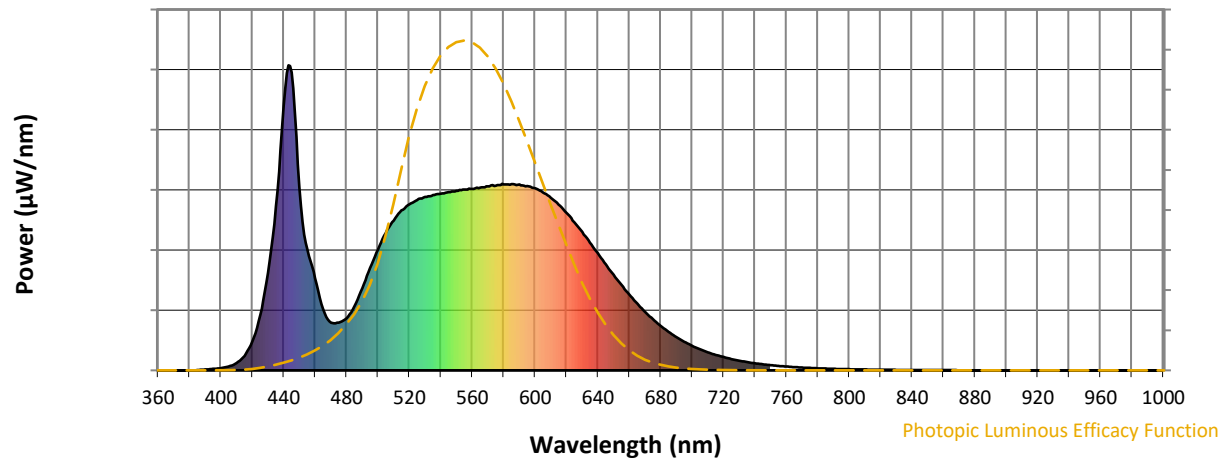
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 5000K 7-step quadrangle

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Photopic Flux vs. Wavelength

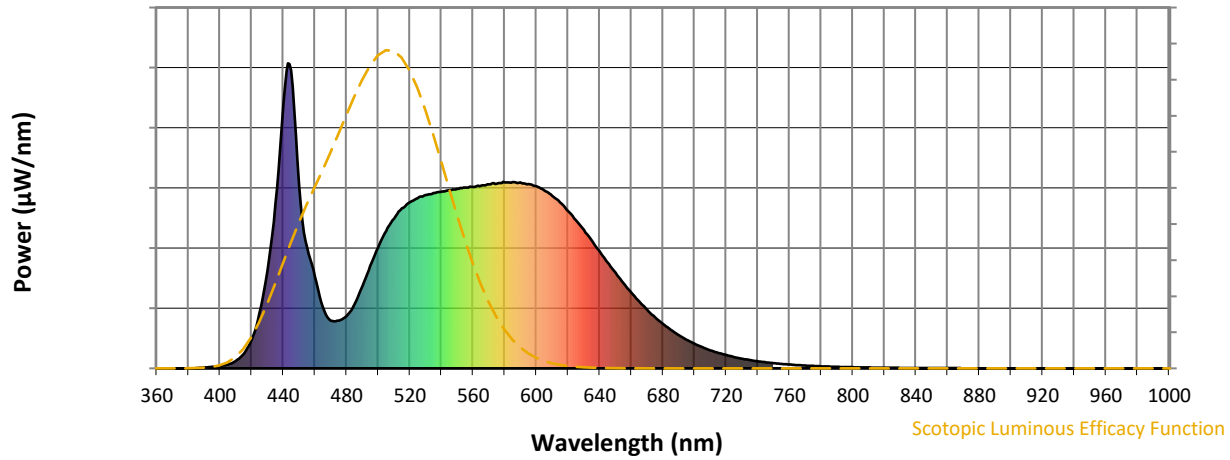


Photopic Lumens: NR

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	270	NR	620	517	NR	750	17	NR	880	0	NR
365	0	NR	495	335	NR	625	486	NR	755	15	NR	885	0	NR
370	0	NR	500	397	NR	630	454	NR	760	12	NR	890	0	NR
375	0	NR	505	451	NR	635	419	NR	765	11	NR	895	0	NR
380	0	NR	510	492	NR	640	384	NR	770	9	NR	900	0	NR
385	1	NR	515	524	NR	645	347	NR	775	8	NR	905	0	NR
390	3	NR	520	545	NR	650	313	NR	780	7	NR	910	0	NR
395	5	NR	525	558	NR	655	280	NR	785	6	NR	915	0	NR
400	7	NR	530	568	NR	660	248	NR	790	5	NR	920	0	NR
405	13	NR	535	575	NR	665	219	NR	795	4	NR	925	0	NR
410	24	NR	540	579	NR	670	192	NR	800	4	NR	930	0	NR
415	47	NR	545	585	NR	675	167	NR	805	3	NR	935	0	NR
420	95	NR	550	588	NR	680	146	NR	810	3	NR	940	0	NR
425	181	NR	555	593	NR	685	126	NR	815	2	NR	945	0	NR
430	319	NR	560	595	NR	690	109	NR	820	2	NR	950	0	NR
435	539	NR	565	600	NR	695	94	NR	825	2	NR	955	0	NR
440	868	NR	570	603	NR	700	80	NR	830	2	NR	960	0	NR
445	977	NR	575	606	NR	705	69	NR	835	1	NR	965	0	NR
450	601	NR	580	609	NR	710	59	NR	840	1	NR	970	0	NR
455	397	NR	585	611	NR	715	51	NR	845	1	NR	975	0	NR
460	302	NR	590	610	NR	720	44	NR	850	1	NR	980	0	NR
465	201	NR	595	604	NR	725	37	NR	855	1	NR	985	0	NR
470	157	NR	600	596	NR	730	32	NR	860	1	NR	990	0	NR
475	157	NR	605	583	NR	735	27	NR	865	1	NR	995	0	NR
480	171	NR	610	566	NR	740	23	NR	870	1	NR	1000	0	NR
485	210	NR	615	543	NR	745	20	NR	875	0	NR			

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Scotopic Flux vs. Wavelength



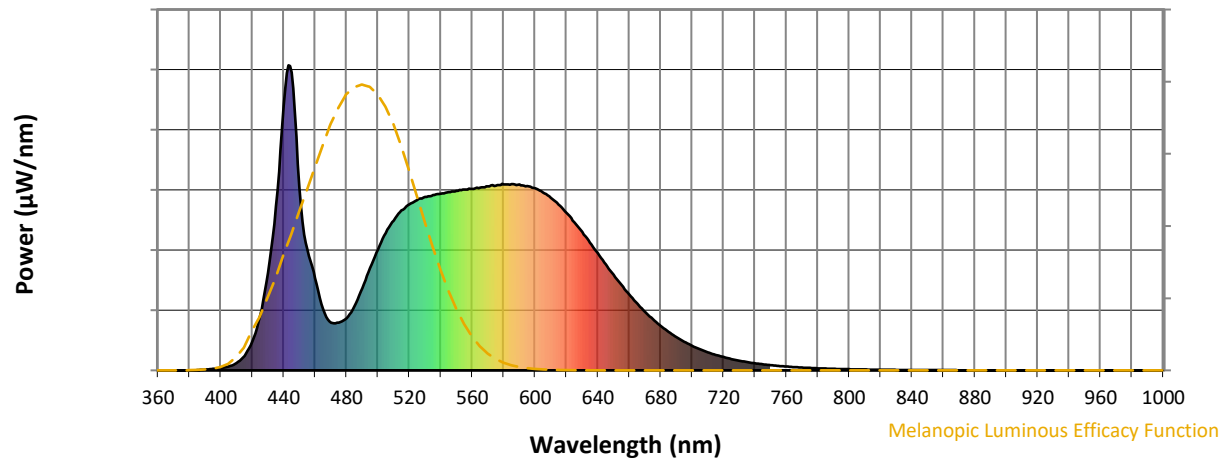
Scotopic Lumens: NR

S/P: 1.83

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	270	NR	620	517	NR	750	17	NR	880	0	NR
365	0	NR	495	335	NR	625	486	NR	755	15	NR	885	0	NR
370	0	NR	500	397	NR	630	454	NR	760	12	NR	890	0	NR
375	0	NR	505	451	NR	635	419	NR	765	11	NR	895	0	NR
380	0	NR	510	492	NR	640	384	NR	770	9	NR	900	0	NR
385	1	NR	515	524	NR	645	347	NR	775	8	NR	905	0	NR
390	3	NR	520	545	NR	650	313	NR	780	7	NR	910	0	NR
395	5	NR	525	558	NR	655	280	NR	785	6	NR	915	0	NR
400	7	NR	530	568	NR	660	248	NR	790	5	NR	920	0	NR
405	13	NR	535	575	NR	665	219	NR	795	4	NR	925	0	NR
410	24	NR	540	579	NR	670	192	NR	800	4	NR	930	0	NR
415	47	NR	545	585	NR	675	167	NR	805	3	NR	935	0	NR
420	95	NR	550	588	NR	680	146	NR	810	3	NR	940	0	NR
425	181	NR	555	593	NR	685	126	NR	815	2	NR	945	0	NR
430	319	NR	560	595	NR	690	109	NR	820	2	NR	950	0	NR
435	539	NR	565	600	NR	695	94	NR	825	2	NR	955	0	NR
440	868	NR	570	603	NR	700	80	NR	830	2	NR	960	0	NR
445	977	NR	575	606	NR	705	69	NR	835	1	NR	965	0	NR
450	601	NR	580	609	NR	710	59	NR	840	1	NR	970	0	NR
455	397	NR	585	611	NR	715	51	NR	845	1	NR	975	0	NR
460	302	NR	590	610	NR	720	44	NR	850	1	NR	980	0	NR
465	201	NR	595	604	NR	725	37	NR	855	1	NR	985	0	NR
470	157	NR	600	596	NR	730	32	NR	860	1	NR	990	0	NR
475	157	NR	605	583	NR	735	27	NR	865	1	NR	995	0	NR
480	171	NR	610	566	NR	740	23	NR	870	1	NR	1000	0	NR
485	210	NR	615	543	NR	745	20	NR	875	0	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 3.74

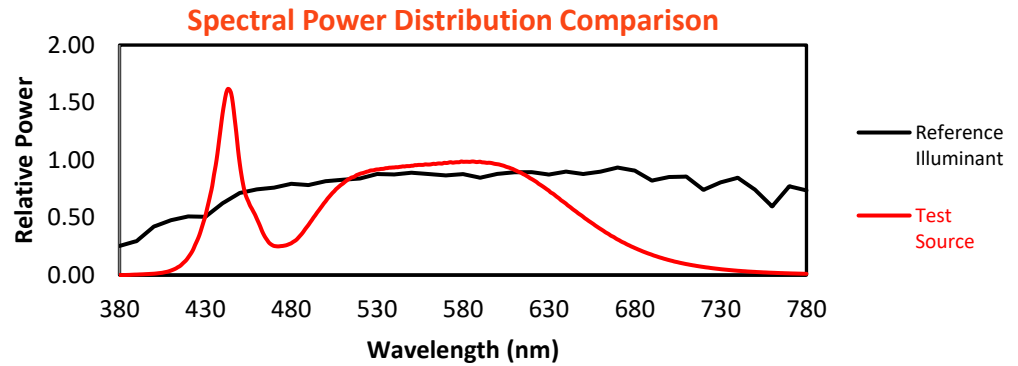
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	270	NR	620	517	NR	750	17	NR	880	0	NR
365	0	NR	495	335	NR	625	486	NR	755	15	NR	885	0	NR
370	0	NR	500	397	NR	630	454	NR	760	12	NR	890	0	NR
375	0	NR	505	451	NR	635	419	NR	765	11	NR	895	0	NR
380	0	NR	510	492	NR	640	384	NR	770	9	NR	900	0	NR
385	1	NR	515	524	NR	645	347	NR	775	8	NR	905	0	NR
390	3	NR	520	545	NR	650	313	NR	780	7	NR	910	0	NR
395	5	NR	525	558	NR	655	280	NR	785	6	NR	915	0	NR
400	7	NR	530	568	NR	660	248	NR	790	5	NR	920	0	NR
405	13	NR	535	575	NR	665	219	NR	795	4	NR	925	0	NR
410	24	NR	540	579	NR	670	192	NR	800	4	NR	930	0	NR
415	47	NR	545	585	NR	675	167	NR	805	3	NR	935	0	NR
420	95	NR	550	588	NR	680	146	NR	810	3	NR	940	0	NR
425	181	NR	555	593	NR	685	126	NR	815	2	NR	945	0	NR
430	319	NR	560	595	NR	690	109	NR	820	2	NR	950	0	NR
435	539	NR	565	600	NR	695	94	NR	825	2	NR	955	0	NR
440	868	NR	570	603	NR	700	80	NR	830	2	NR	960	0	NR
445	977	NR	575	606	NR	705	69	NR	835	1	NR	965	0	NR
450	601	NR	580	609	NR	710	59	NR	840	1	NR	970	0	NR
455	397	NR	585	611	NR	715	51	NR	845	1	NR	975	0	NR
460	302	NR	590	610	NR	720	44	NR	850	1	NR	980	0	NR
465	201	NR	595	604	NR	725	37	NR	855	1	NR	985	0	NR
470	157	NR	600	596	NR	730	32	NR	860	1	NR	990	0	NR
475	157	NR	605	583	NR	735	27	NR	865	1	NR	995	0	NR
480	171	NR	610	566	NR	740	23	NR	870	1	NR	1000	0	NR
485	210	NR	615	543	NR	745	20	NR	875	0	NR			

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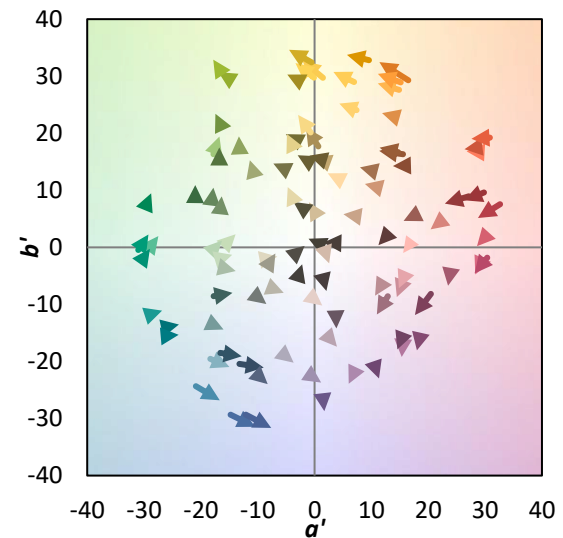
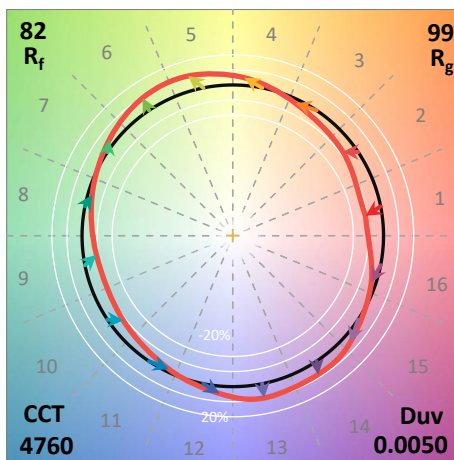
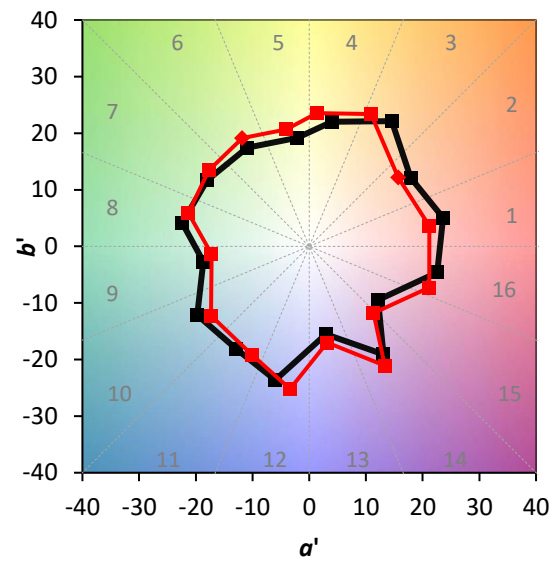
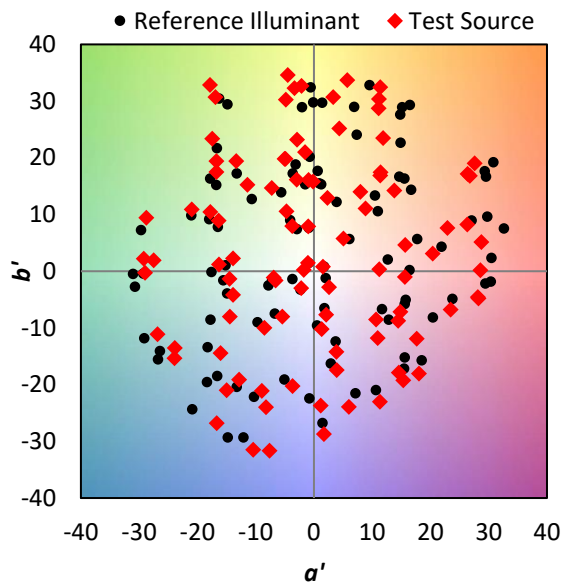
TM-30-18

Summary

$R_f = 82$
 $R_g = 99.4$
 $CIE R_a = 81.1$
 $R_9 = 8.7$

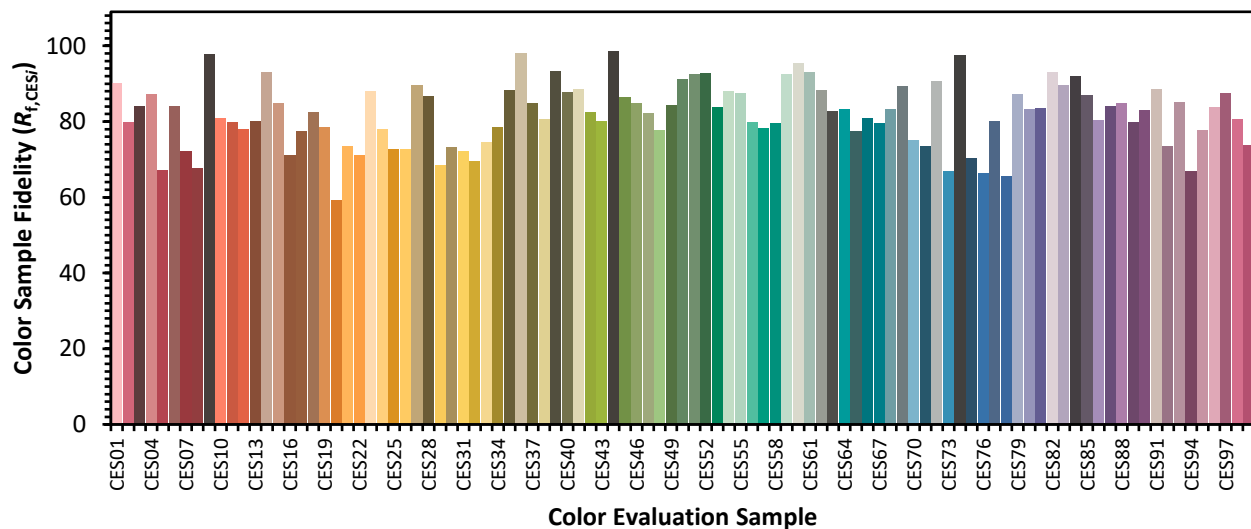


Color Vector Graphics

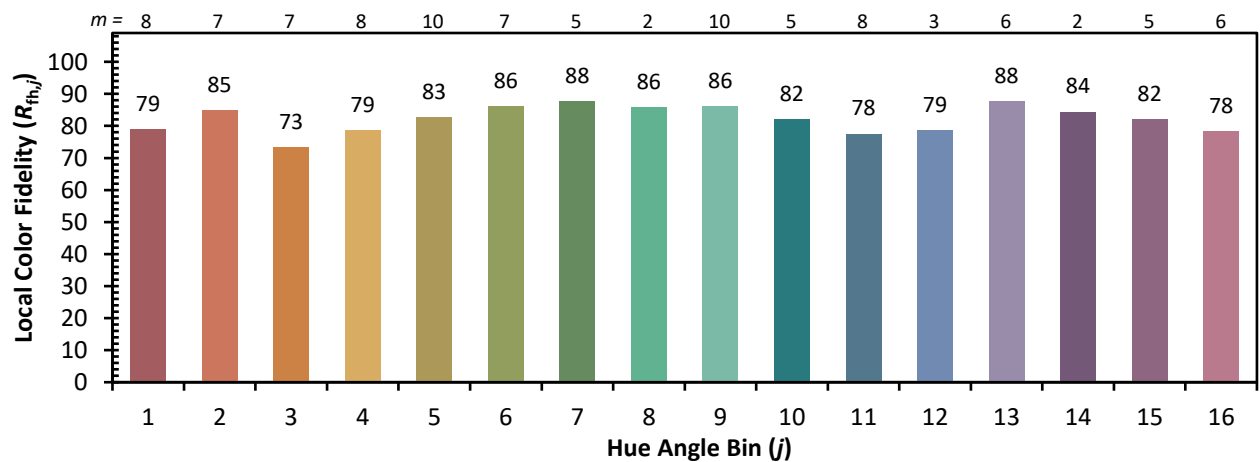
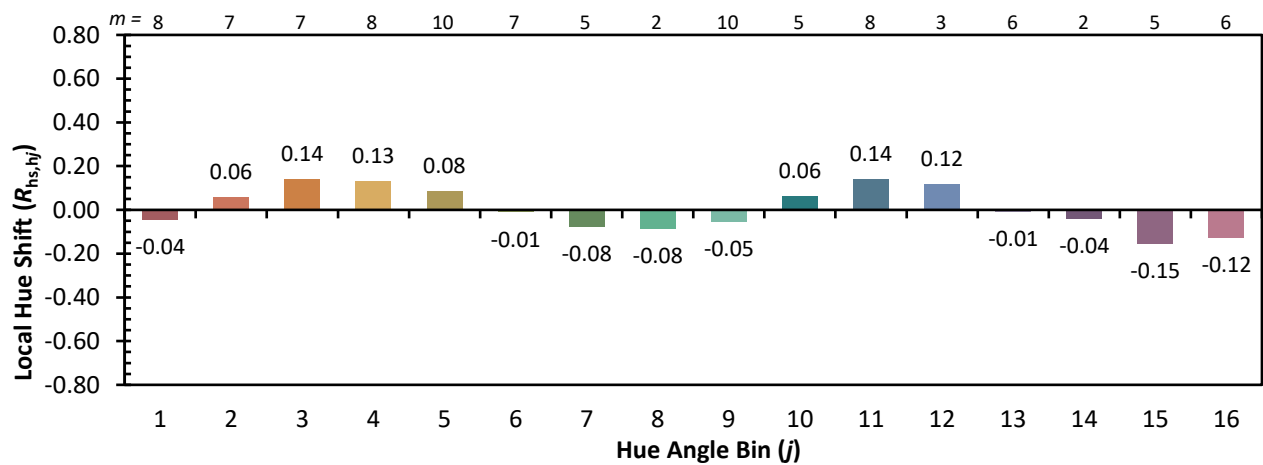
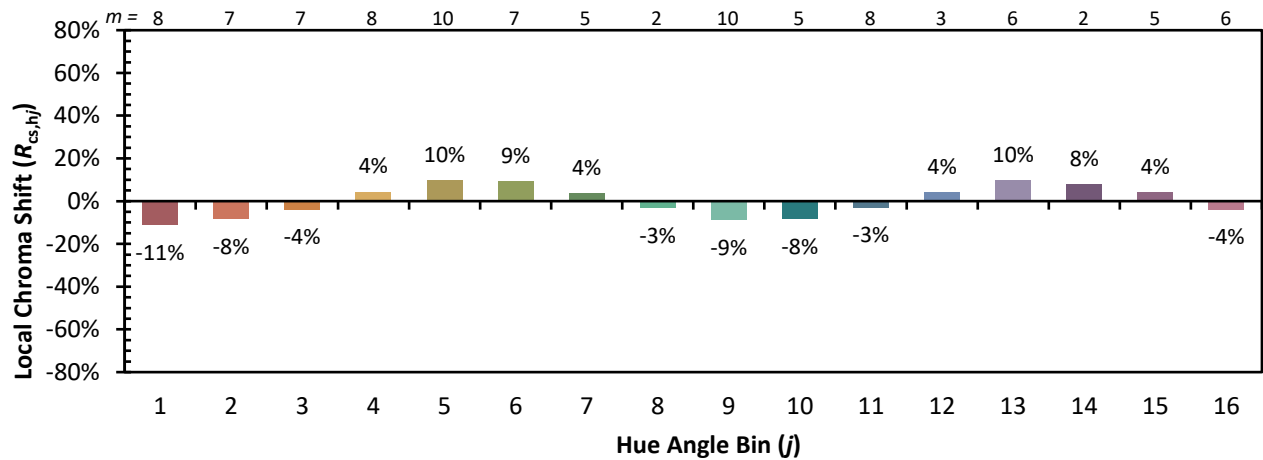


Individual Sample Fidelity Index ($R_{f,i}$)

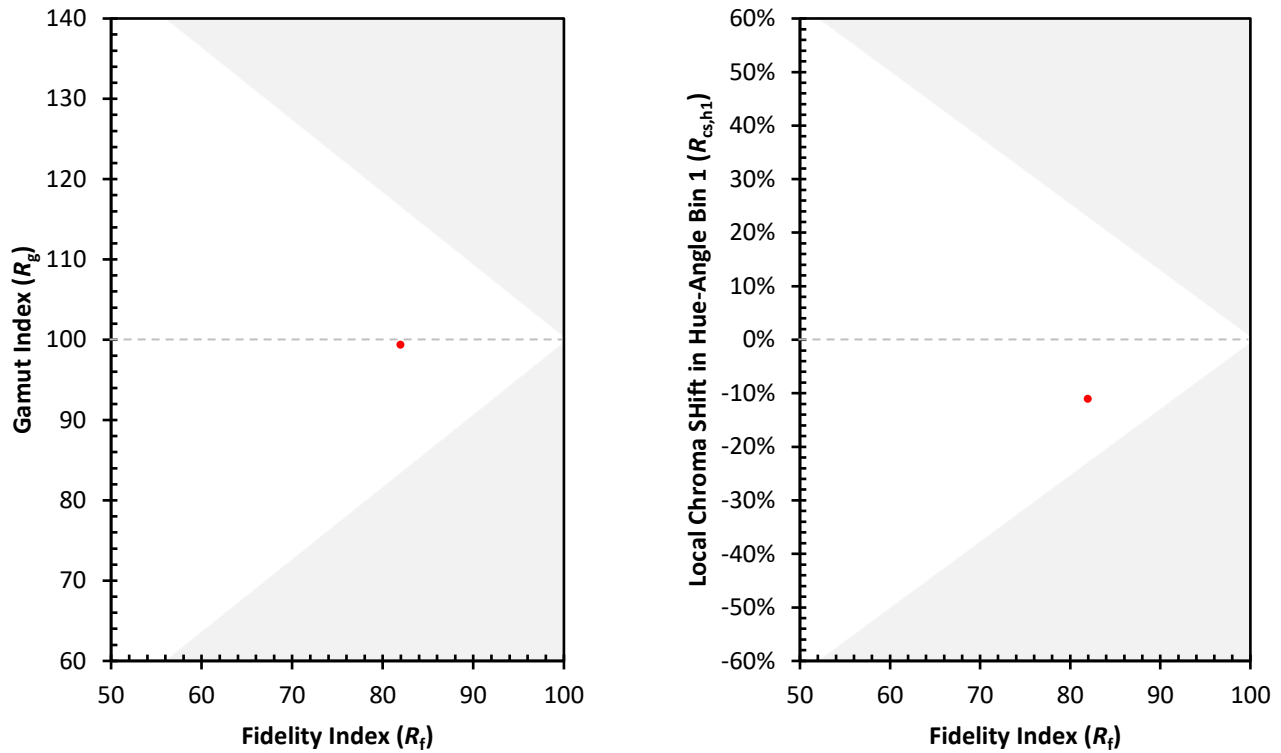
CES01 = 85	CES26 = 73	CES51 = 92	CES76 = 66
CES02 = 60	CES27 = 90	CES52 = 93	CES77 = 80
CES03 = 30	CES28 = 87	CES53 = 84	CES78 = 65
CES04 = 69	CES29 = 69	CES54 = 88	CES79 = 87
CES05 = 47	CES30 = 73	CES55 = 88	CES80 = 83
CES06 = 50	CES31 = 72	CES56 = 80	CES81 = 84
CES07 = 40	CES32 = 69	CES57 = 78	CES82 = 93
CES08 = 39	CES33 = 75	CES58 = 80	CES83 = 90
CES09 = 29	CES34 = 78	CES59 = 93	CES84 = 92
CES10 = 73	CES35 = 88	CES60 = 95	CES85 = 87
CES11 = 56	CES36 = 98	CES61 = 93	CES86 = 80
CES12 = 62	CES37 = 85	CES62 = 88	CES87 = 84
CES13 = 42	CES38 = 81	CES63 = 83	CES88 = 85
CES14 = 74	CES39 = 93	CES64 = 83	CES89 = 80
CES15 = 71	CES40 = 88	CES65 = 77	CES90 = 83
CES16 = 46	CES41 = 89	CES66 = 81	CES91 = 89
CES17 = 48	CES42 = 82	CES67 = 80	CES92 = 73
CES18 = 55	CES43 = 80	CES68 = 83	CES93 = 85
CES19 = 70	CES44 = 99	CES69 = 89	CES94 = 67
CES20 = 64	CES45 = 87	CES70 = 75	CES95 = 78
CES21 = 85	CES46 = 85	CES71 = 73	CES96 = 84
CES22 = 77	CES47 = 82	CES72 = 91	CES97 = 87
CES23 = 91	CES48 = 78	CES73 = 67	CES98 = 81
CES24 = 90	CES49 = 84	CES74 = 98	CES99 = 74
CES25 = 71	CES50 = 91	CES75 = 70	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)