

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: P1049419

Luminaire Tested: **GALN-SA8C-940-U-RBC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1049419
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA8C-940-U-RBC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 1050mA 8xLight Square PACKAGE
90CRI 4000K FIXTURE w/ RIGHT CORNER BACKLIGHT CONTROL
Light Source: (112) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29420.2 lumens
Efficiency: N/A
Efficacy: 78.9 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

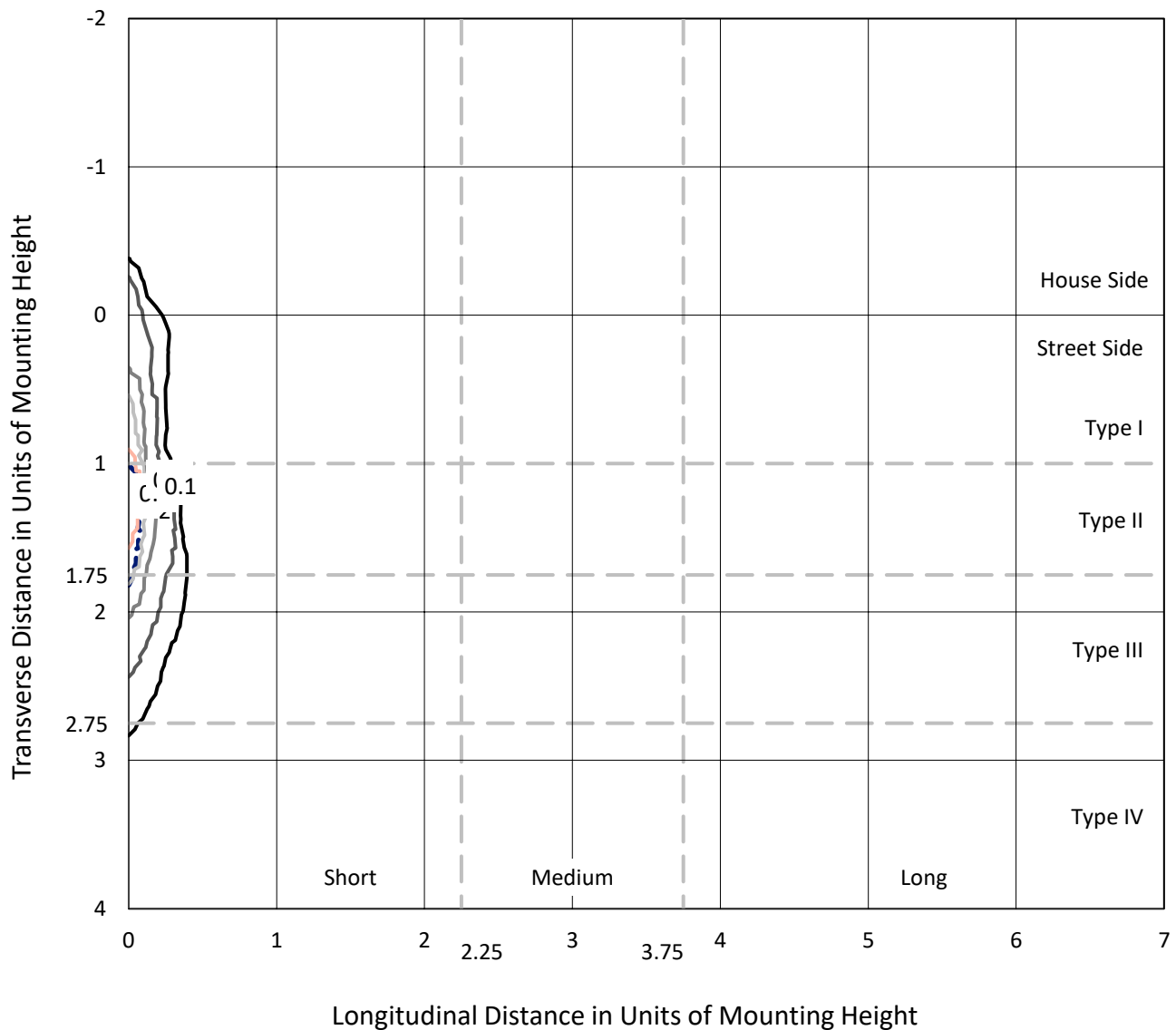
Input Watts (W): 372.9
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd



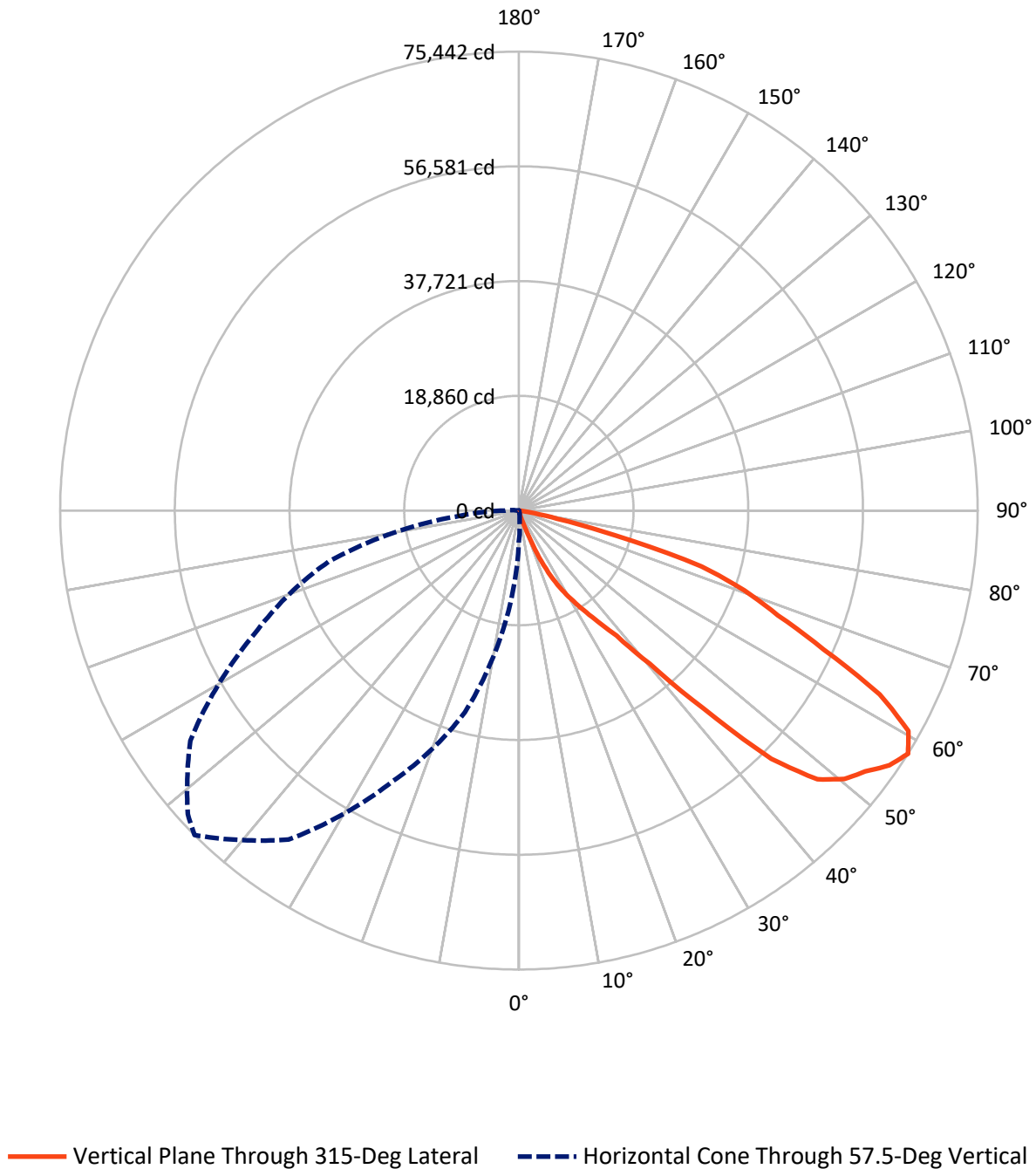
Based on 20 foot mounting height. Maximum calculated value = 4.3 fc

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	147.3	0.0	147.3
	% Fixture	0.5	0.0	0.5
Street Side	Lumens	29272.9	0.0	29272.9
	% Fixture	99.5	0.0	99.5
Total	Lumens	29420.2	0.0	29420.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.5	0.0
10°-20°	64.6	0.2
20°-30°	697.2	2.4
30°-40°	2061.8	7.0
40°-50°	6144.7	20.9
50°-60°	9743.3	33.1
60°-70°	8133.3	27.6
70°-80°	2508.0	8.5
80°-90°	55.8	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°	29420.2	100.0
0°-180°	29420.2	100.0

Coefficient of Utilization



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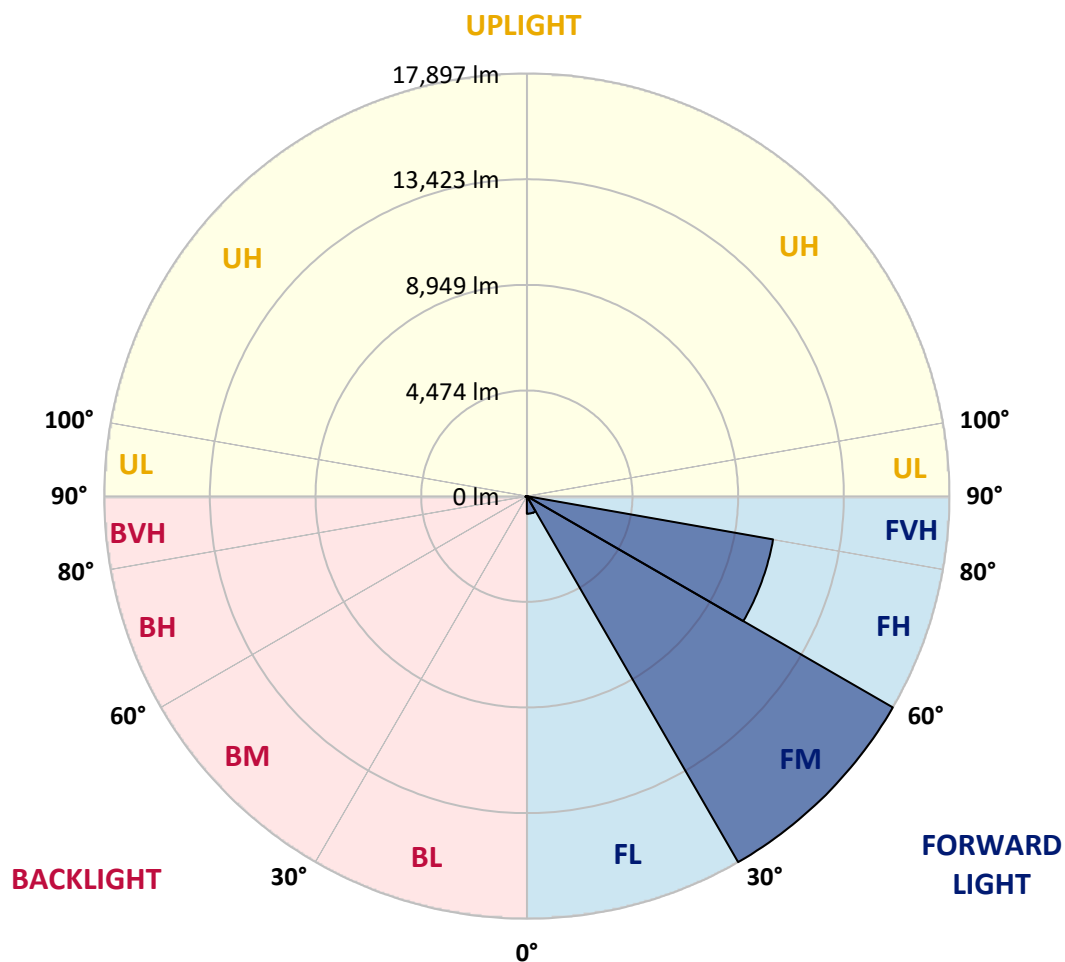
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	746.3	2.5			
FM	(30°-60°)	17897.1	60.8			
FH	(60°-80°)	10586.3	36.0			G4/12000
FVH	(80°-90°)	43.1	0.1			G1/100
BL	(0°-30°)	27.1	0.1	B0/110		
BM	(30°-60°)	52.7	0.2	B0/220		
BH	(60°-80°)	55.0	0.2	B0/110		G0/110
BVH	(80°-90°)	12.7	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°	128.9	128.9	128.9	128.9	128.9	128.9	128.9	128.9	128.9	128.9
2.5°	117.8	117.8	117.8	117.8	115.6	115.6	113.4	113.4	111.2	111.2
5°	124.5	124.5	122.3	120.1	120.1	117.8	115.6	113.4	113.4	111.2
7.5°	135.6	133.4	131.2	128.9	124.5	122.3	117.8	115.6	113.4	108.9
10°	149.0	144.5	140.1	135.6	131.2	126.7	122.3	120.1	115.6	113.4
12.5°	166.7	160.1	151.2	144.5	140.1	133.4	128.9	124.5	117.8	113.4
15°	182.3	173.4	162.3	153.4	146.7	137.8	131.2	124.5	120.1	113.4
17.5°	204.5	189.0	171.2	160.1	151.2	140.1	128.9	122.3	115.6	106.7
20°	242.3	211.2	177.9	164.5	151.2	137.8	124.5	115.6	108.9	100.0
22.5°	302.4	249.0	195.6	175.6	157.9	137.8	120.1	111.2	102.3	93.4
25°	418.0	322.4	226.8	200.1	173.4	146.7	120.1	108.9	100.0	88.9
27.5°	555.8	413.5	269.0	231.2	195.6	157.9	120.1	106.7	95.6	82.3
30°	695.9	506.9	315.7	266.8	217.9	169.0	120.1	104.5	91.2	75.6
32.5°	829.3	593.6	355.7	297.9	240.1	180.1	122.3	104.5	86.7	68.9
35°	964.9	664.8	362.4	302.4	242.3	180.1	120.1	100.0	82.3	62.3
37.5°	1138.3	744.8	349.1	289.0	231.2	171.2	113.4	95.6	77.8	57.8
40°	1400.7	878.2	355.7	293.5	231.2	169.0	106.7	88.9	73.4	55.6
42.5°	1885.3	1136.1	384.6	313.5	242.3	169.0	97.8	82.3	68.9	53.4
45°	3259.3	1887.5	515.8	409.1	302.4	195.6	88.9	75.6	64.5	51.1
47.5°	5391.4	3159.2	927.1	715.9	506.9	295.7	86.7	75.6	64.5	51.1
50°	6881.0	4024.1	1167.2	898.2	629.2	360.2	91.2	77.8	66.7	53.4
52.5°	6869.9	4086.3	1300.6	998.2	698.1	395.7	95.6	82.3	71.1	57.8
55°	6107.3	3717.3	1325.1	1018.3	713.7	406.9	102.3	88.9	75.6	62.3
57.5°	5104.6	3157.0	1209.5	936.0	664.8	391.3	117.8	102.3	88.9	73.4
60°	4037.4	2490.0	942.7	744.8	549.1	351.3	155.6	135.6	117.8	97.8
62.5°	2788.0	1805.3	822.6	660.3	500.2	337.9	177.9	157.9	140.1	120.1
65°	1972.0	1358.4	742.6	604.7	469.1	331.3	193.4	171.2	151.2	128.9
67.5°	1474.0	1080.5	684.8	566.9	449.1	331.3	213.4	186.8	162.3	135.6
70°	1129.4	887.1	642.5	546.9	453.5	357.9	262.3	224.5	189.0	151.2
72.5°	920.4	758.1	593.6	524.7	455.8	386.8	317.9	269.0	220.1	169.0
75°	762.6	649.2	535.8	478.0	422.4	364.6	306.8	262.3	220.1	175.6
77.5°	506.9	462.4	415.7	382.4	349.1	313.5	280.1	242.3	206.8	169.0
80°	177.9	171.2	164.5	177.9	191.2	204.5	217.9	191.2	166.7	140.1
82.5°	26.7	24.5	22.2	24.5	26.7	28.9	31.1	33.3	35.6	37.8
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°	128.9	128.9	128.9	128.9	128.9	128.9	128.9	128.9	128.9	128.9
0.0	2.5°	108.9	108.9	106.7	106.7	106.7	104.5	104.5	102.3	102.3	102.3
0.0	5°	106.7	106.7	104.5	102.3	100.0	100.0	97.8	95.6	95.6	93.4
0.0	7.5°	104.5	102.3	100.0	97.8	95.6	93.4	91.2	88.9	88.9	86.7
0.0	10°	106.7	102.3	100.0	95.6	93.4	91.2	86.7	84.5	82.3	82.3
0.0	12.5°	102.3	100.0	95.6	91.2	88.9	84.5	82.3	77.8	75.6	75.6
0.0	15°	102.3	97.8	91.2	86.7	82.3	80.0	75.6	71.1	68.9	66.7
0.0	17.5°	95.6	91.2	84.5	80.0	75.6	71.1	66.7	62.3	60.0	57.8
0.0	20°	86.7	82.3	75.6	68.9	64.5	60.0	55.6	51.1	48.9	46.7
0.0	22.5°	77.8	73.4	66.7	60.0	55.6	51.1	44.5	40.0	37.8	33.3
0.0	25°	73.4	66.7	60.0	53.4	46.7	42.2	35.6	28.9	24.5	20.0
0.0	27.5°	62.3	55.6	48.9	42.2	35.6	28.9	22.2	15.6	11.1	8.9
0.0	30°	53.4	46.7	40.0	33.3	24.5	17.8	11.1	2.2	2.2	2.2
0.0	32.5°	44.5	37.8	28.9	22.2	17.8	11.1	6.7	0.0	0.0	0.0
0.0	35°	35.6	28.9	20.0	13.3	11.1	6.7	4.4	0.0	0.0	0.0
0.0	37.5°	31.1	24.5	15.6	6.7	4.4	4.4	2.2	0.0	0.0	0.0
0.0	40°	28.9	20.0	11.1	2.2	2.2	2.2	0.0	0.0	0.0	0.0
0.0	42.5°	28.9	20.0	8.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	28.9	20.0	8.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	28.9	20.0	8.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	31.1	22.2	11.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	35.6	26.7	17.8	8.9	6.7	4.4	2.2	0.0	0.0	0.0
0.0	55°	44.5	40.0	33.3	28.9	22.2	15.6	6.7	0.0	0.0	0.0
0.0	57.5°	57.8	57.8	55.6	53.4	40.0	26.7	13.3	0.0	0.0	0.0
0.0	60°	77.8	77.8	77.8	77.8	57.8	40.0	20.0	0.0	0.0	0.0
0.0	62.5°	95.6	91.2	84.5	80.0	60.0	40.0	20.0	0.0	0.0	0.0
0.0	65°	95.6	86.7	75.6	64.5	48.9	33.3	15.6	0.0	0.0	0.0
0.0	67.5°	88.9	71.1	51.1	33.3	24.5	17.8	8.9	0.0	0.0	0.0
	70°	88.9	62.3	35.6	8.9	6.7	4.4	2.2	0.0	0.0	0.0
	72.5°	88.9	60.0	28.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	75°	97.8	66.7	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	77.5°	97.8	66.7	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	80°	86.7	57.8	28.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	82.5°	28.9	20.0	8.9	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°	128.9	128.9	128.9	128.9	128.9	128.9	128.9	128.9	128.9	128.9
0.0	2.5°	100.0	100.0	100.0	97.8	97.8	97.8	97.8	95.6	95.6	95.6
0.0	5°	91.2	91.2	88.9	88.9	86.7	86.7	84.5	84.5	82.3	82.3
0.0	7.5°	84.5	82.3	82.3	80.0	77.8	77.8	75.6	75.6	73.4	71.1
0.0	10°	77.8	75.6	75.6	73.4	71.1	68.9	68.9	66.7	64.5	62.3
0.0	12.5°	71.1	68.9	66.7	64.5	62.3	60.0	60.0	57.8	55.6	53.4
0.0	15°	62.3	60.0	57.8	55.6	53.4	51.1	51.1	48.9	46.7	44.5
0.0	17.5°	53.4	51.1	51.1	48.9	46.7	44.5	42.2	37.8	35.6	33.3
0.0	20°	40.0	37.8	35.6	33.3	31.1	26.7	24.5	20.0	15.6	13.3
0.0	22.5°	26.7	22.2	20.0	15.6	11.1	8.9	6.7	2.2	0.0	0.0
0.0	25°	8.9	6.7	4.4	2.2	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: P1049419

CATALOG NUMBER: GALN-SA8C-940-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]



REPORT NUMBER: P1049419

CATALOG NUMBER: GALN-SA8C-940-U-RBC

CANDELA DISTRIBUTION (continued):

80°		82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°
0.0	0°	128.9	128.9	128.9	128.9	128.9	128.9	128.9	128.9	128.9	128.9
0.0	2.5°	93.4	93.4	93.4	91.2	91.2	91.2	91.2	91.2	91.2	91.2
0.0	5°	80.0	80.0	80.0	77.8	77.8	75.6	75.6	75.6	73.4	73.4
0.0	7.5°	68.9	66.7	66.7	64.5	64.5	62.3	62.3	62.3	60.0	60.0
0.0	10°	57.8	55.6	55.6	53.4	53.4	51.1	51.1	48.9	48.9	46.7
0.0	12.5°	51.1	48.9	46.7	44.5	44.5	42.2	40.0	40.0	37.8	35.6
0.0	15°	40.0	37.8	35.6	33.3	31.1	28.9	26.7	26.7	24.5	22.2
0.0	17.5°	26.7	22.2	20.0	17.8	17.8	15.6	13.3	11.1	8.9	6.7
0.0	20°	6.7	4.4	2.2	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-SA8C-940-U-RBC

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REPORT NUMBER: P1049419

CATALOG NUMBER: GALN-SA8C-940-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°	128.9	128.9	128.9	128.9	128.9	128.9	128.9	128.9	128.9	128.9
0.0	2.5°	91.2	88.9	88.9	88.9	91.2	91.2	91.2	91.2	91.2	91.2
0.0	5°	73.4	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
0.0	7.5°	60.0	57.8	57.8	57.8	57.8	55.6	55.6	55.6	55.6	55.6
0.0	10°	46.7	44.5	44.5	44.5	44.5	42.2	42.2	42.2	42.2	42.2
0.0	12.5°	33.3	33.3	31.1	31.1	31.1	28.9	28.9	28.9	28.9	26.7
0.0	15°	20.0	17.8	15.6	15.6	15.6	13.3	13.3	13.3	13.3	11.1
0.0	17.5°	4.4	4.4	2.2	2.2	2.2	0.0	0.0	0.0	0.0	0.0
0.0	20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	32.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

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REPORT NUMBER: P1049419

CATALOG NUMBER: GALN-SA8C-940-U-RBC

CANDELA DISTRIBUTION (continued):

135°		137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°
0.0	0°	128.9	128.9	128.9	128.9	128.9	128.9	128.9	128.9	128.9	128.9
0.0	2.5°	93.4	93.4	95.6	95.6	97.8	102.3	104.5	106.7	111.2	115.6
0.0	5°	73.4	75.6	75.6	77.8	80.0	82.3	84.5	86.7	91.2	95.6
0.0	7.5°	57.8	57.8	60.0	60.0	62.3	66.7	68.9	71.1	75.6	82.3
0.0	10°	44.5	44.5	46.7	46.7	48.9	53.4	55.6	57.8	62.3	68.9
0.0	12.5°	28.9	31.1	31.1	33.3	35.6	40.0	42.2	44.5	48.9	53.4
0.0	15°	13.3	15.6	15.6	17.8	20.0	24.5	26.7	28.9	33.3	40.0
0.0	17.5°	2.2	2.2	4.4	4.4	6.7	8.9	11.1	13.3	20.0	24.5
0.0	20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	8.9
0.0	22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2
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: P1049419

CATALOG NUMBER: GALN-SA8C-940-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°	128.9	128.9	128.9	128.9	128.9	128.9	128.9	128.9	128.9	128.9
0.0	2.5°	122.3	126.7	131.2	135.6	140.1	144.5	146.7	151.2	153.4	155.6
0.0	5°	104.5	108.9	115.6	120.1	124.5	128.9	133.4	135.6	137.8	140.1
0.0	7.5°	91.2	95.6	102.3	106.7	111.2	115.6	120.1	124.5	126.7	128.9
0.0	10°	77.8	84.5	88.9	95.6	100.0	104.5	108.9	113.4	117.8	120.1
0.0	12.5°	62.3	68.9	75.6	80.0	86.7	93.4	97.8	102.3	106.7	111.2
0.0	15°	48.9	55.6	62.3	66.7	73.4	80.0	86.7	91.2	95.6	100.0
0.0	17.5°	35.6	42.2	48.9	53.4	60.0	66.7	71.1	77.8	82.3	86.7
0.0	20°	17.8	24.5	31.1	37.8	44.5	51.1	55.6	62.3	66.7	71.1
0.0	22.5°	2.2	8.9	15.6	20.0	26.7	33.3	37.8	44.5	48.9	53.4
0.0	25°	0.0	2.2	6.7	8.9	11.1	15.6	20.0	24.5	28.9	33.3
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	2.2	4.4	8.9	13.3	17.8
0.0	30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4
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	2.2
	82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2	4.4
	85°	0.0	0.0	0.0	0.0	0.0	4.4	6.7	11.1	13.3	15.6
	87.5°	0.0	2.2	4.4	6.7	8.9	13.3	17.8	22.2	24.5	26.7
	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: P1049419

CATALOG NUMBER: GALN-SA8C-940-U-RBC

CANDELA DISTRIBUTION (continued):

190°		165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°
128.9	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155.6	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.3	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
131.2	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
124.5	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
113.4	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
104.5	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
93.4	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75.6	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.8	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40.0	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22.2	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.7	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											
2.2											
8.9											
20.0											
28.9											
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REPORT NUMBER: P1049419

CATALOG NUMBER: GALN-SA8C-940-U-RBC

CANDELA DISTRIBUTION (continued):

190°		192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°
0.0	0°	128.9	128.9	128.9	128.9	128.9	128.9	128.9	128.9	128.9	128.9
0.0	2.5°	157.9	157.9	157.9	157.9	155.6	155.6	155.6	153.4	153.4	151.2
0.0	5°	144.5	146.7	146.7	146.7	146.7	146.7	146.7	146.7	144.5	144.5
0.0	7.5°	133.4	135.6	137.8	137.8	140.1	140.1	140.1	137.8	137.8	135.6
0.0	10°	126.7	128.9	128.9	131.2	131.2	131.2	131.2	131.2	131.2	131.2
0.0	12.5°	117.8	120.1	122.3	122.3	124.5	124.5	124.5	124.5	122.3	122.3
0.0	15°	106.7	111.2	113.4	115.6	115.6	117.8	117.8	117.8	117.8	117.8
0.0	17.5°	97.8	102.3	104.5	106.7	106.7	108.9	108.9	111.2	111.2	111.2
0.0	20°	80.0	84.5	86.7	91.2	93.4	95.6	97.8	100.0	100.0	102.3
0.0	22.5°	62.3	66.7	68.9	73.4	75.6	77.8	80.0	82.3	84.5	86.7
0.0	25°	44.5	48.9	51.1	55.6	57.8	60.0	62.3	64.5	64.5	66.7
0.0	27.5°	24.5	28.9	33.3	35.6	40.0	42.2	44.5	46.7	48.9	51.1
0.0	30°	11.1	13.3	15.6	20.0	22.2	24.5	26.7	31.1	33.3	35.6
0.0	32.5°	0.0	0.0	2.2	6.7	8.9	11.1	13.3	15.6	15.6	17.8
0.0	35°	0.0	0.0	0.0	0.0	0.0	0.0	2.2	4.4	6.7	8.9
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°	4.4	4.4	4.4	6.7	6.7	6.7	6.7	6.7	6.7	6.7
	82.5°	11.1	13.3	15.6	15.6	17.8	17.8	17.8	17.8	15.6	15.6
	85°	22.2	24.5	26.7	26.7	28.9	28.9	28.9	28.9	28.9	28.9
	87.5°	31.1	33.3	35.6	35.6	37.8	37.8	37.8	37.8	37.8	37.8
	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1049419

CATALOG NUMBER: GALN-SA8C-940-U-RBC

CANDELA DISTRIBUTION (continued):

217.5°		192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°
128.9	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
151.2	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
144.5	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135.6	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
131.2	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.3	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.8	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
111.2	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100.0	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
86.7	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
68.9	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
53.4	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.8	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22.2	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.3	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.4	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.4	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.2	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.2	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.2	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.2	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.2	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											
6.7											
15.6											
28.9											
37.8											
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REPORT NUMBER: P1049419

CATALOG NUMBER: GALN-SA8C-940-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°	128.9	128.9	128.9	128.9	128.9	128.9	128.9	128.9	128.9	128.9
0.0	2.5°	149.0	149.0	146.7	146.7	146.7	146.7	146.7	149.0	151.2	151.2
0.0	5°	142.3	142.3	140.1	140.1	140.1	142.3	142.3	144.5	146.7	149.0
0.0	7.5°	135.6	133.4	133.4	135.6	135.6	137.8	137.8	140.1	142.3	144.5
0.0	10°	131.2	128.9	128.9	128.9	131.2	131.2	133.4	135.6	137.8	140.1
0.0	12.5°	122.3	122.3	122.3	122.3	124.5	124.5	126.7	128.9	133.4	135.6
0.0	15°	117.8	115.6	115.6	115.6	115.6	117.8	117.8	122.3	126.7	128.9
0.0	17.5°	108.9	108.9	106.7	106.7	108.9	108.9	111.2	115.6	120.1	122.3
0.0	20°	100.0	97.8	95.6	95.6	97.8	97.8	100.0	104.5	108.9	111.2
0.0	22.5°	86.7	84.5	84.5	84.5	84.5	86.7	86.7	91.2	97.8	102.3
0.0	25°	68.9	71.1	71.1	73.4	73.4	75.6	77.8	82.3	88.9	93.4
0.0	27.5°	53.4	55.6	55.6	60.0	62.3	64.5	66.7	73.4	80.0	84.5
0.0	30°	40.0	42.2	44.5	46.7	51.1	55.6	60.0	66.7	73.4	77.8
0.0	32.5°	24.5	28.9	31.1	35.6	40.0	44.5	48.9	55.6	64.5	71.1
0.0	35°	17.8	20.0	24.5	26.7	31.1	35.6	40.0	48.9	55.6	64.5
0.0	37.5°	8.9	13.3	17.8	22.2	26.7	31.1	35.6	44.5	53.4	60.0
0.0	40°	6.7	11.1	13.3	17.8	24.5	28.9	33.3	42.2	51.1	60.0
0.0	42.5°	4.4	6.7	8.9	15.6	20.0	26.7	33.3	42.2	51.1	60.0
0.0	45°	4.4	4.4	6.7	13.3	20.0	28.9	35.6	44.5	51.1	60.0
0.0	47.5°	4.4	6.7	8.9	17.8	22.2	28.9	35.6	42.2	51.1	57.8
0.0	50°	6.7	8.9	11.1	20.0	24.5	31.1	35.6	44.5	51.1	60.0
0.0	52.5°	4.4	6.7	8.9	17.8	24.5	33.3	40.0	48.9	57.8	64.5
0.0	55°	2.2	2.2	2.2	13.3	26.7	37.8	51.1	57.8	66.7	73.4
0.0	57.5°	0.0	0.0	0.0	8.9	26.7	42.2	57.8	66.7	75.6	82.3
0.0	60°	0.0	0.0	0.0	8.9	26.7	42.2	57.8	68.9	80.0	91.2
0.0	62.5°	0.0	0.0	0.0	8.9	22.2	35.6	48.9	66.7	86.7	104.5
0.0	65°	0.0	0.0	0.0	6.7	17.8	28.9	40.0	66.7	93.4	117.8
0.0	67.5°	0.0	0.0	0.0	6.7	17.8	26.7	37.8	66.7	93.4	122.3
	70°	0.0	0.0	0.0	6.7	17.8	28.9	40.0	66.7	93.4	120.1
	72.5°	0.0	0.0	0.0	6.7	20.0	31.1	44.5	66.7	88.9	111.2
	75°	0.0	0.0	0.0	8.9	20.0	33.3	46.7	66.7	86.7	104.5
	77.5°	0.0	0.0	0.0	6.7	20.0	31.1	44.5	64.5	84.5	102.3
	80°	6.7	4.4	4.4	11.1	20.0	28.9	37.8	57.8	80.0	100.0
	82.5°	13.3	13.3	11.1	15.6	20.0	26.7	33.3	51.1	71.1	88.9
	85°	26.7	26.7	24.5	26.7	26.7	28.9	31.1	40.0	48.9	57.8
	87.5°	35.6	35.6	33.3	33.3	33.3	31.1	31.1	31.1	31.1	28.9
	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1049419

CATALOG NUMBER: GALN-SA8C-940-U-RBC

CANDELA DISTRIBUTION (continued):

245°		220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°
128.9	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
153.4	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
151.2	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
146.7	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.3	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.8	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
133.4	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
126.7	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115.6	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
106.7	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.8	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
91.2	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
84.5	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.8	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
71.1	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
68.9	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
68.9	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
68.9	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66.7	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
64.5	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66.7	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
73.4	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80.0	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
91.2	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.3	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.3	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
144.5	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
149.0	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
146.7											
133.4											
124.5											
122.3											
120.1											
106.7											
66.7											
28.9											
0.0											
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REPORT NUMBER: P1049419

CATALOG NUMBER: GALN-SA8C-940-U-RBC

CANDELA DISTRIBUTION (continued):

245°		247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°
0.0	0°	128.9	128.9	128.9	128.9	128.9	128.9	128.9	128.9	128.9	128.9
0.0	2.5°	155.6	157.9	157.9	160.1	162.3	164.5	164.5	166.7	166.7	166.7
0.0	5°	153.4	157.9	160.1	162.3	164.5	166.7	169.0	171.2	173.4	173.4
0.0	7.5°	151.2	153.4	157.9	160.1	164.5	166.7	171.2	173.4	175.6	177.9
0.0	10°	146.7	151.2	155.6	160.1	164.5	169.0	173.4	177.9	182.3	184.5
0.0	12.5°	142.3	149.0	153.4	157.9	164.5	171.2	175.6	182.3	186.8	191.2
0.0	15°	140.1	144.5	151.2	155.6	164.5	173.4	180.1	189.0	197.9	204.5
0.0	17.5°	133.4	142.3	149.0	155.6	164.5	175.6	184.5	193.4	206.8	220.1
0.0	20°	124.5	131.2	140.1	146.7	160.1	171.2	184.5	195.6	215.7	235.7
0.0	22.5°	115.6	124.5	131.2	140.1	155.6	169.0	184.5	197.9	231.2	262.3
0.0	25°	106.7	117.8	126.7	135.6	153.4	171.2	189.0	206.8	262.3	317.9
0.0	27.5°	102.3	111.2	122.3	131.2	153.4	177.9	200.1	222.3	311.3	398.0
0.0	30°	95.6	106.7	115.6	126.7	155.6	184.5	213.4	242.3	378.0	513.6
0.0	32.5°	88.9	100.0	111.2	122.3	160.1	197.9	233.4	271.2	449.1	624.7
0.0	35°	82.3	95.6	106.7	117.8	166.7	217.9	266.8	315.7	513.6	709.2
0.0	37.5°	80.0	93.4	104.5	115.6	169.0	220.1	273.5	324.6	520.2	715.9
0.0	40°	82.3	93.4	106.7	117.8	162.3	206.8	249.0	293.5	498.0	700.3
0.0	42.5°	82.3	95.6	108.9	122.3	157.9	193.4	229.0	264.6	491.3	718.1
0.0	45°	80.0	93.4	106.7	120.1	153.4	184.5	217.9	249.0	531.4	811.5
0.0	47.5°	77.8	91.2	104.5	117.8	151.2	184.5	217.9	251.2	687.0	1120.5
0.0	50°	77.8	91.2	102.3	113.4	153.4	195.6	235.7	275.7	1000.5	1723.0
0.0	52.5°	82.3	93.4	102.3	111.2	157.9	206.8	253.5	300.1	1271.7	2241.0
0.0	55°	88.9	95.6	104.5	111.2	169.0	224.5	282.4	337.9	1354.0	2370.0
0.0	57.5°	97.8	104.5	111.2	117.8	189.0	260.1	329.0	400.2	1360.6	2318.9
0.0	60°	108.9	117.8	124.5	131.2	206.8	284.6	360.2	435.8	1231.7	2025.4
0.0	62.5°	133.4	144.5	153.4	164.5	237.9	309.0	382.4	453.5	1022.7	1591.9
0.0	65°	153.4	162.3	171.2	180.1	251.2	324.6	395.7	466.9	867.1	1267.3
0.0	67.5°	157.9	166.7	173.4	182.3	255.7	329.0	400.2	473.6	742.6	1009.4
	70°	160.1	171.2	184.5	195.6	271.2	346.8	420.2	495.8	658.1	820.4
	72.5°	153.4	175.6	195.6	215.7	286.8	355.7	426.9	495.8	611.4	727.0
	75°	153.4	184.5	213.4	242.3	295.7	346.8	400.2	451.3	540.3	629.2
	77.5°	162.3	202.3	242.3	282.4	313.5	342.4	373.5	402.4	460.2	518.0
	80°	162.3	204.5	244.6	286.8	300.1	315.7	329.0	342.4	349.1	355.7
	82.5°	140.1	173.4	206.8	240.1	224.5	209.0	193.4	177.9	166.7	153.4
	85°	71.1	77.8	82.3	86.7	80.0	73.4	66.7	60.0	55.6	48.9
	87.5°	28.9	28.9	26.7	26.7	26.7	26.7	24.5	24.5	24.5	24.5
	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1049419

CATALOG NUMBER: GALN-SA8C-940-U-RBC

CANDELA DISTRIBUTION (continued):

272.5°		247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°
128.9	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
166.7	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
173.4	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180.1	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
189.0	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
197.9	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
215.7	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
237.9	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
273.5	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
349.1	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
473.6	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
658.1	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
891.5	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1113.9	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1265.0	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1378.4	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1491.8	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1714.1	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2158.8	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3290.4	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5040.1	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6345.2	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6489.7	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5856.1	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5006.8	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3912.9	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2956.9	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2183.2	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1545.2											
1149.4											
835.9											
629.2											
353.5											
160.1											
46.7											
22.2											
0.0											
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REPORT NUMBER: P1049419

CATALOG NUMBER: GALN-SA8C-940-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°	128.9	128.9	128.9	128.9	128.9	128.9	128.9	128.9	128.9	128.9
0.0	2.5°	166.7	164.5	164.5	162.3	160.1	157.9	155.6	153.4	151.2	149.0
0.0	5°	173.4	173.4	173.4	171.2	171.2	169.0	169.0	166.7	164.5	162.3
0.0	7.5°	180.1	182.3	182.3	184.5	184.5	184.5	184.5	182.3	182.3	182.3
0.0	10°	191.2	193.4	195.6	197.9	200.1	202.3	202.3	204.5	204.5	204.5
0.0	12.5°	204.5	211.2	215.7	222.3	226.8	233.4	237.9	244.6	249.0	253.5
0.0	15°	224.5	235.7	249.0	260.1	271.2	286.8	304.6	320.1	335.7	360.2
0.0	17.5°	253.5	289.0	324.6	357.9	393.5	471.3	549.1	624.7	702.5	815.9
0.0	20°	309.0	415.7	520.2	627.0	731.5	1004.9	1276.1	1549.6	1820.8	2112.1
0.0	22.5°	433.5	695.9	958.2	1220.6	1482.9	2054.3	2623.4	3194.8	3764.0	4433.2
0.0	25°	629.2	1111.6	1594.1	2074.3	2556.7	3450.5	4346.5	5240.2	6134.0	7003.3
0.0	27.5°	916.0	1654.1	2392.2	3128.1	3866.2	5077.9	6291.8	7503.5	8715.2	9697.8
0.0	30°	1269.5	2269.9	3270.4	4270.9	5271.3	6649.8	8028.2	9404.4	10782.8	11856.6
0.0	32.5°	1603.0	2828.0	4053.0	5275.8	6500.8	8070.4	9642.3	11211.9	12781.5	13955.4
0.0	35°	1820.8	3301.5	4784.5	6265.1	7745.8	9444.4	11143.0	12839.3	14537.9	15878.5
0.0	37.5°	2038.7	3748.4	5455.9	7165.6	8873.0	10738.3	12603.6	14469.0	16334.3	17990.6
0.0	40°	2283.3	4288.7	6291.8	8297.2	10300.4	12510.3	14718.0	16927.9	19135.6	21472.2
0.0	42.5°	2707.9	5184.6	7663.6	10140.3	12617.0	15540.6	18464.2	21385.5	24309.1	27644.0
0.0	45°	3506.1	6996.6	10489.3	13979.8	17470.4	21343.3	25218.4	29091.3	32964.2	37401.9
0.0	47.5°	5460.3	10262.6	15062.6	19864.8	24664.8	28846.8	33026.5	37208.4	41388.2	45808.0
0.0	50°	8355.0	13944.3	19533.5	25120.6	30709.9	34493.8	38275.6	42059.6	45841.3	50045.5
0.0	52.5°	10449.3	16272.0	22097.0	27919.7	33742.4	37157.3	40574.4	43989.4	47404.3	51332.8
0.0	55°	10607.2	16396.5	22188.1	27977.5	33766.8	37197.3	40627.8	44058.3	47488.8	51652.9
0.0	57.5°	9391.0	15133.7	20874.2	26616.8	32357.3	36263.6	40167.6	44073.9	47977.9	52480.0
0.0	60°	7988.2	13733.1	19475.7	25220.6	30963.3	35463.2	39965.3	44465.2	48965.0	53182.5
0.0	62.5°	6231.8	12141.2	18052.9	23962.3	29871.7	34440.5	39009.3	43575.8	48144.6	51308.3
0.0	65°	4644.4	10382.6	16120.8	21856.8	27595.1	31254.6	34914.0	38571.3	42230.8	44189.5
0.0	67.5°	3357.1	8306.1	13252.8	18201.8	23148.6	25767.6	28386.6	31003.3	33622.3	35120.8
	70°	2269.9	5698.2	9124.2	12552.5	15978.6	18130.7	20285.0	22437.1	24589.2	26612.4
	72.5°	1571.8	3497.2	5424.7	7350.1	9275.4	11440.9	13604.1	15769.6	17932.8	20073.8
	75°	1042.7	1918.7	2796.9	3672.8	4548.8	6151.8	7756.9	9359.9	10962.9	12239.0
	77.5°	740.3	1002.7	1267.3	1529.6	1791.9	2092.1	2394.4	2694.6	2994.7	3450.5
	80°	351.3	384.6	418.0	449.1	482.4	591.4	700.3	809.3	918.2	1033.8
	82.5°	166.7	180.1	193.4	204.5	217.9	229.0	240.1	251.2	262.3	251.2
	85°	44.5	44.5	46.7	46.7	46.7	46.7	46.7	46.7	46.7	44.5
	87.5°	20.0	20.0	20.0	20.0	20.0	20.0	20.0	17.8	17.8	15.6
	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

300°		275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°
128.9	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
146.7	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160.1	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180.1	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
206.8	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
255.7	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
386.8	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
927.1	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2405.6	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5102.4	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7872.6	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10680.5	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12932.7	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15131.5	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17219.1	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19649.1	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23808.9	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30978.9	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41839.5	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50227.8	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
54249.7	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55261.3	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55819.3	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
56982.1	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57397.8	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
54474.3	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
46150.4	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36621.5	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28633.3											
22214.8											
13515.2											
3906.3											
1149.4											
237.9											
42.2											
15.6											
0.0											
0.0											
0.0											
0.0											
0.0											
0.0											
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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°	128.9	128.9	128.9	128.9	128.9	128.9	128.9	128.9	128.9
0.0	2.5°	144.5	142.3	140.1	137.8	135.6	131.2	131.2	128.9	128.9
0.0	5°	157.9	155.6	153.4	151.2	151.2	149.0	146.7	146.7	144.5
0.0	7.5°	180.1	177.9	175.6	173.4	173.4	171.2	171.2	169.0	169.0
0.0	10°	206.8	206.8	206.8	206.8	206.8	204.5	204.5	204.5	202.3
0.0	12.5°	260.1	262.3	266.8	271.2	277.9	277.9	277.9	275.7	275.7
0.0	15°	411.3	435.8	453.5	471.3	486.9	522.5	518.0	511.3	506.9
0.0	17.5°	1040.5	1151.6	1211.7	1269.5	1329.5	1494.0	1467.3	1440.7	1416.2
0.0	20°	2696.8	2988.1	3181.5	3374.9	3570.6	3879.6	3804.0	3728.4	3652.8
0.0	22.5°	5769.4	6438.6	6729.8	7021.0	7310.1	7683.6	7441.2	7198.9	6958.8
0.0	25°	8739.6	9608.9	10100.3	10591.6	11080.7	11294.1	10978.4	10660.5	10344.8
0.0	27.5°	11663.2	12645.9	13079.4	13510.7	13944.3	14391.1	13999.9	13606.3	13215.0
0.0	30°	14006.5	15080.4	15549.5	16016.3	16485.5	16796.7	16392.1	15985.2	15580.6
0.0	32.5°	16305.4	17479.3	17992.8	18506.4	19017.7	19464.6	18966.6	18466.4	17968.4
0.0	35°	18557.5	19898.2	20605.2	21312.1	22019.1	22434.9	21843.5	21249.9	20658.5
0.0	37.5°	21305.5	22961.8	23753.3	24544.8	25336.2	26094.4	25443.0	24789.3	24137.9
0.0	40°	26145.5	28482.2	29696.1	30912.2	32126.1	33104.3	32281.7	31459.1	30636.5
0.0	42.5°	34313.8	37648.6	39393.9	41136.9	42882.2	44409.6	43544.7	42679.9	41815.0
0.0	45°	46277.1	50714.7	52842.4	54967.8	57095.5	58211.6	56966.5	55719.3	54474.3
0.0	47.5°	54645.4	59065.3	60959.5	62853.7	64747.9	66021.9	64498.9	62976.0	61455.3
0.0	50°	58451.7	62655.8	64556.7	66455.4	68356.3	69367.9	67609.3	65848.4	64089.8
0.0	52.5°	59187.6	63116.1	65383.8	67653.7	69921.4	71273.2	69196.7	67117.9	65041.4
0.0	55°	59983.5	64147.6	66777.8	69410.1	72040.2	73912.2	71564.4	69214.5	66866.7
0.0	57.5°	61482.0	65984.1	68607.5	71228.7	73852.2	75441.8	73087.4	70730.7	68376.3
0.0	60°	61615.4	65830.7	68085.0	70341.6	72596.0	73596.5	71344.3	69090.0	66837.8
0.0	62.5°	57638.0	60801.6	62366.8	63932.0	65497.2	66584.3	64234.4	61882.1	59532.2
0.0	65°	48109.1	50067.8	51315.0	52562.3	53809.5	55105.7	52953.5	50801.4	48649.3
0.0	67.5°	38120.0	39618.4	41261.4	42904.4	44547.4	45932.5	44209.5	42484.2	40761.2
	70°	30656.5	32677.4	34525.0	36372.5	38220.0	39353.9	37624.2	35892.3	34162.6
	72.5°	24355.8	26496.8	28039.7	29580.4	31123.4	31401.3	30129.6	28857.9	27588.4
	75°	14789.1	16065.3	16096.4	16125.3	16156.4	16421.0	15367.2	14313.3	13261.7
	77.5°	4362.0	4817.8	5193.5	5567.0	5942.8	6396.3	6009.5	5620.4	5233.5
	80°	1262.8	1378.4	1476.2	1571.8	1669.7	1611.9	1520.7	1429.6	1338.4
	82.5°	226.8	213.4	211.2	209.0	209.0	197.9	180.1	162.3	144.5
	85°	40.0	37.8	35.6	33.3	31.1	28.9	24.5	22.2	17.8
	87.5°	13.3	11.1	8.9	6.7	6.7	2.2	2.2	2.2	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-SA8C-940-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049419

CATALOG NUMBER: GALN-SA8C-940-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°	128.9	128.9	128.9	128.9	128.9	128.9	128.9	128.9	128.9
0.0	0.0	2.5°	126.7	124.5	124.5	124.5	124.5	122.3	122.3	122.3	122.3
0.0	0.0	5°	140.1	140.1	137.8	137.8	135.6	135.6	133.4	133.4	131.2
0.0	0.0	7.5°	164.5	162.3	160.1	157.9	155.6	151.2	149.0	146.7	146.7
0.0	0.0	10°	197.9	193.4	191.2	186.8	184.5	180.1	175.6	171.2	166.7
0.0	0.0	12.5°	260.1	251.2	244.6	235.7	226.8	220.1	211.2	204.5	195.6
0.0	0.0	15°	451.3	429.1	404.6	375.7	344.6	315.7	284.6	266.8	246.8
0.0	0.0	17.5°	1153.9	1038.3	920.4	824.8	729.2	635.9	540.3	471.3	402.4
0.0	0.0	20°	2936.9	2616.8	2296.6	1980.9	1663.0	1347.3	1029.4	869.3	709.2
0.0	0.0	22.5°	5527.0	4933.4	4337.6	3761.8	3183.7	2607.9	2032.1	1669.7	1309.5
0.0	0.0	25°	8530.6	7783.6	7036.6	6089.5	5140.2	4193.1	3246.0	2656.8	2067.6
0.0	0.0	27.5°	11100.7	10240.3	9379.9	8228.3	7076.6	5925.0	4773.3	3895.1	3019.2
0.0	0.0	30°	13326.2	12401.3	11476.5	10135.8	8795.2	7454.6	6114.0	5015.7	3917.4
0.0	0.0	32.5°	15256.0	14148.8	13041.6	11658.8	10275.9	8893.0	7510.2	6162.9	4815.6
0.0	0.0	35°	17481.5	16189.8	14895.8	13361.8	11825.5	10291.5	8757.4	7236.7	5713.8
0.0	0.0	37.5°	20309.5	18724.3	17136.9	15427.2	13717.5	12010.0	10300.4	8561.8	6823.2
0.0	0.0	40°	25723.1	23677.7	21632.3	19460.2	17285.8	15113.7	12941.6	10807.3	8672.9
0.0	0.0	42.5°	35423.2	32659.7	29896.1	27005.9	24113.5	21223.2	18330.8	15320.5	12308.0
0.0	0.0	45°	46370.5	42942.2	39511.7	36268.0	33022.0	29778.3	26534.6	22403.8	18273.0
0.0	0.0	47.5°	52526.7	48825.0	45123.2	42052.9	38982.6	35912.3	32842.0	28388.8	23935.6
0.0	0.0	50°	54792.2	51023.8	47255.3	44429.6	41601.6	38775.8	35947.9	31488.0	27025.9
0.0	0.0	52.5°	55274.6	51430.6	47586.6	44743.1	41899.5	39058.2	36214.6	31783.7	27352.7
0.0	0.0	55°	56266.2	52142.1	48015.7	44774.2	41532.7	38291.2	35049.7	30547.6	26045.5
0.0	0.0	57.5°	57562.4	53333.7	49105.1	45412.3	41719.4	38028.8	34336.0	29413.7	24491.4
0.0	0.0	60°	57222.2	53542.7	49861.0	45905.8	41948.4	37993.2	34035.8	28622.2	23206.4
0.0	0.0	62.5°	51317.2	48387.0	45454.5	42201.9	38947.0	35694.4	32441.8	26868.1	21294.4
0.0	0.0	65°	42217.4	40078.7	37939.9	35323.1	32704.1	30087.3	27470.6	22472.7	17477.0
0.0	0.0	67.5°	34215.9	31805.9	29393.7	27308.3	25220.6	23135.2	21047.6	17114.6	13181.7
		70°	27183.8	24562.5	21939.1	19902.6	17863.9	15827.4	13790.9	11176.3	8564.0
		72.5°	21587.8	19224.5	16861.2	14689.1	12514.7	10342.6	8168.2	6623.1	5077.9
		75°	10318.1	9373.3	8428.4	7292.3	6156.2	5020.1	3884.0	3210.4	2539.0
		77.5°	3824.0	3314.9	2803.5	2341.1	1878.7	1418.4	956.0	876.0	795.9
		80°	989.3	862.6	733.7	642.5	549.1	458.0	366.8	331.3	297.9
		82.5°	113.4	104.5	97.8	93.4	86.7	82.3	75.6	68.9	62.3
		85°	6.7	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1049419

CATALOG NUMBER: GALN-SA8C-940-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049419

CATALOG NUMBER: GALN-SA8C-940-U-RBC

CANDELA DISTRIBUTION (continued):

352.5°	355°		357.5°	360°
0.0	0.0	0°	128.9	128.9
0.0	0.0	2.5°	120.1	117.8
0.0	0.0	5°	126.7	124.5
0.0	0.0	7.5°	140.1	135.6
0.0	0.0	10°	153.4	149.0
0.0	0.0	12.5°	173.4	166.7
0.0	0.0	15°	195.6	182.3
0.0	0.0	17.5°	233.4	204.5
0.0	0.0	20°	315.7	242.3
0.0	0.0	22.5°	444.7	302.4
0.0	0.0	25°	653.6	418.0
0.0	0.0	27.5°	909.3	555.8
0.0	0.0	30°	1209.5	695.9
0.0	0.0	32.5°	1474.0	829.3
0.0	0.0	35°	1818.6	964.9
0.0	0.0	37.5°	2243.3	1138.3
0.0	0.0	40°	2901.4	1400.7
0.0	0.0	42.5°	4086.3	1885.3
0.0	0.0	45°	6636.4	3259.3
0.0	0.0	47.5°	10211.4	5391.4
0.0	0.0	50°	12492.5	6881.0
0.0	0.0	52.5°	12679.2	6869.9
0.0	0.0	55°	11574.3	6107.3
0.0	0.0	57.5°	9875.7	5104.6
0.0	0.0	60°	8208.3	4037.4
0.0	0.0	62.5°	6467.5	2788.0
0.0	0.0	65°	4726.6	1972.0
0.0	0.0	67.5°	3394.9	1474.0
		70°	2232.2	1129.4
		72.5°	1454.0	920.4
		75°	978.2	762.6
		77.5°	571.4	506.9
		80°	202.3	177.9
		82.5°	37.8	26.7
		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: P1049419

CATALOG NUMBER: GALN-SA8C-940-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: SP1-2407-184-16

Test Date: 10/11/2024

Luminaire Tested: GSS-SB1A-940-U-5WQ

Data in this report applies to families of products including GSS-SB1A-940-U-5WQ

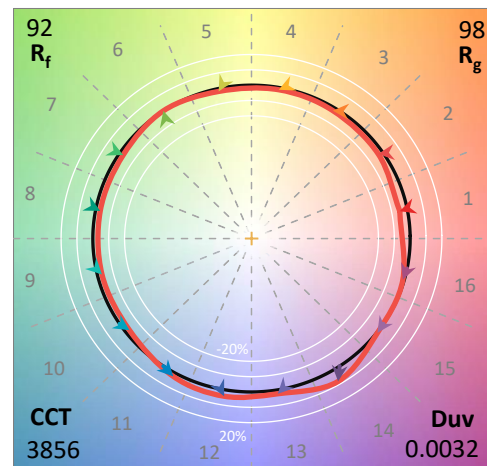
Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-16
 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-940-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 90 CRI
 4000K CCT 26 LEDS

Spectral Parameters

CCT (K): 3856
 CIE u' : 0.2261
 CIE v' : 0.5084
 Duv: 0.0032
 CIE x: 0.3896
 CIE y: 0.3894
 CIE z: 0.2211
 Peak Wavelength (nm): 614
 Dominant Wavelength (nm): 578
 Purity: 33.77304
 R_f: 91.8
 R_g: 98.4

CRI (Ra): 92.1
 R1: 91.8
 R2: 94.1
 R3: 95.3
 R4: 92.8
 R5: 91.0
 R6: 91.6
 R7: 95.0
 R8: 85.2
 R9: 60.7
 R10: 85.2
 R11: 92.4
 R12: 74.5
 R13: 92.3
 R14: 97.0
 R15: 88.5



Test Conditions

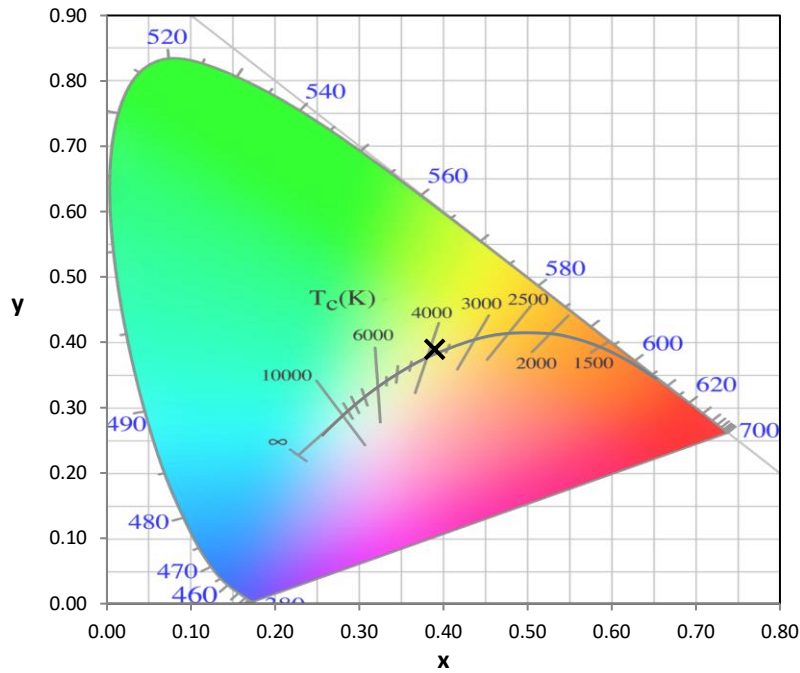
Stabilization Time: 23M
 Operation Time: 1H 23M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-16

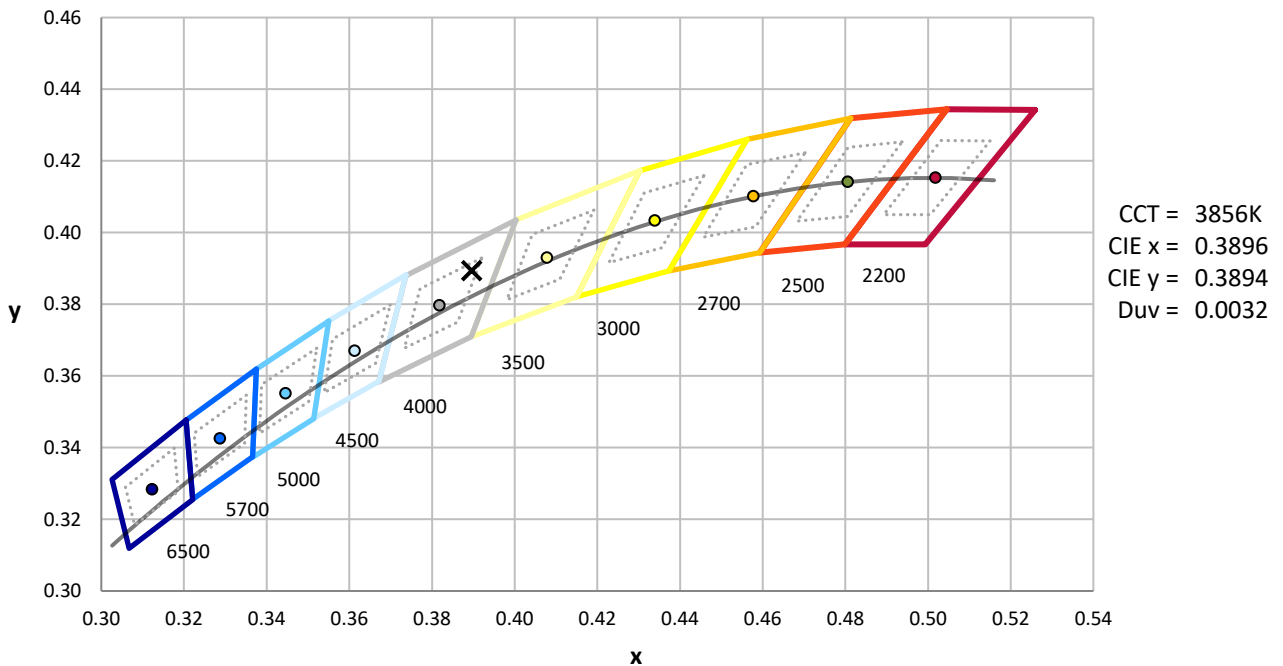
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-16

CIE 1931 Chromaticity Diagram



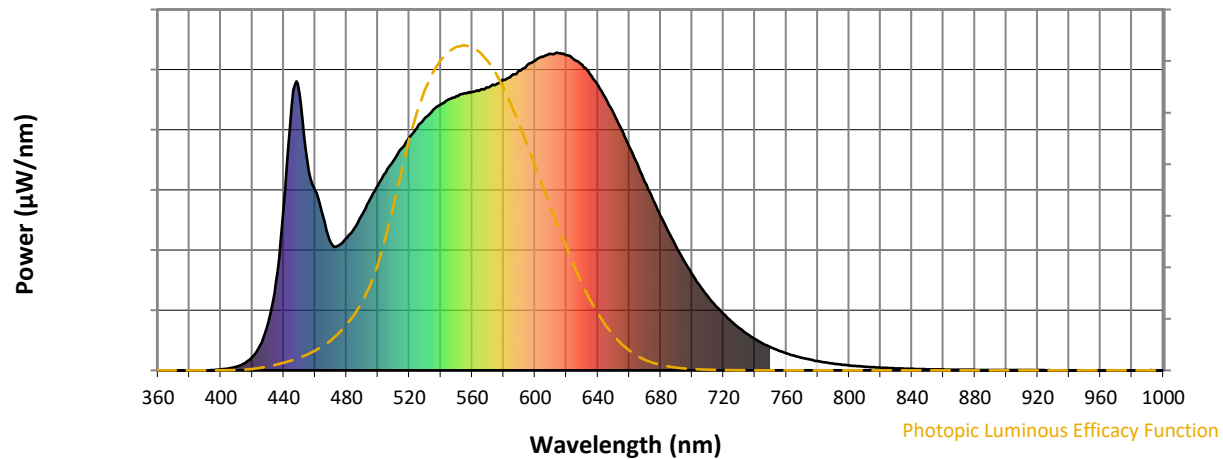
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-16

Photopic Flux vs. Wavelength

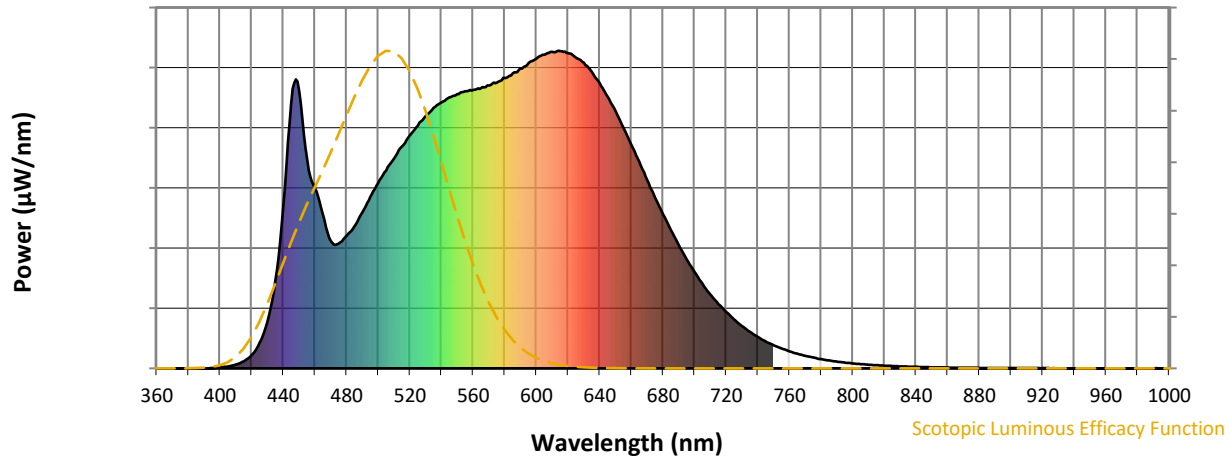


Photopic Lumens: NR

λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)
360	0	NR	490	492	NR	620	993	NR	750	73	NR	880	1	NR
365	0	NR	495	539	NR	625	978	NR	755	62	NR	885	1	NR
370	0	NR	500	583	NR	630	962	NR	760	54	NR	890	1	NR
375	0	NR	505	623	NR	635	933	NR	765	46	NR	895	1	NR
380	0	NR	510	661	NR	640	898	NR	770	39	NR	900	1	NR
385	0	NR	515	698	NR	645	855	NR	775	34	NR	905	1	NR
390	0	NR	520	733	NR	650	810	NR	780	29	NR	910	1	NR
395	1	NR	525	764	NR	655	759	NR	785	25	NR	915	1	NR
400	3	NR	530	794	NR	660	704	NR	790	21	NR	920	1	NR
405	6	NR	535	820	NR	665	651	NR	795	18	NR	925	1	NR
410	12	NR	540	837	NR	670	592	NR	800	16	NR	930	1	NR
415	22	NR	545	853	NR	675	538	NR	805	13	NR	935	0	NR
420	42	NR	550	864	NR	680	486	NR	810	12	NR	940	0	NR
425	79	NR	555	872	NR	685	435	NR	815	10	NR	945	0	NR
430	147	NR	560	876	NR	690	389	NR	820	9	NR	950	0	NR
435	278	NR	565	883	NR	695	344	NR	825	7	NR	955	0	NR
440	515	NR	570	891	NR	700	303	NR	830	6	NR	960	0	NR
445	832	NR	575	900	NR	705	266	NR	835	5	NR	965	0	NR
450	874	NR	580	914	NR	710	233	NR	840	5	NR	970	0	NR
455	659	NR	585	927	NR	715	203	NR	845	4	NR	975	0	NR
460	567	NR	590	944	NR	720	178	NR	850	4	NR	980	0	NR
465	485	NR	595	961	NR	725	154	NR	855	3	NR	985	0	NR
470	401	NR	600	975	NR	730	133	NR	860	3	NR	990	0	NR
475	393	NR	605	988	NR	735	115	NR	865	2	NR	995	1	NR
480	417	NR	610	996	NR	740	98	NR	870	2	NR	1000	0	NR
485	448	NR	615	998	NR	745	85	NR	875	2	NR			

REPORT NUMBER: SP1-2407-184-16

Scotopic Flux vs. Wavelength



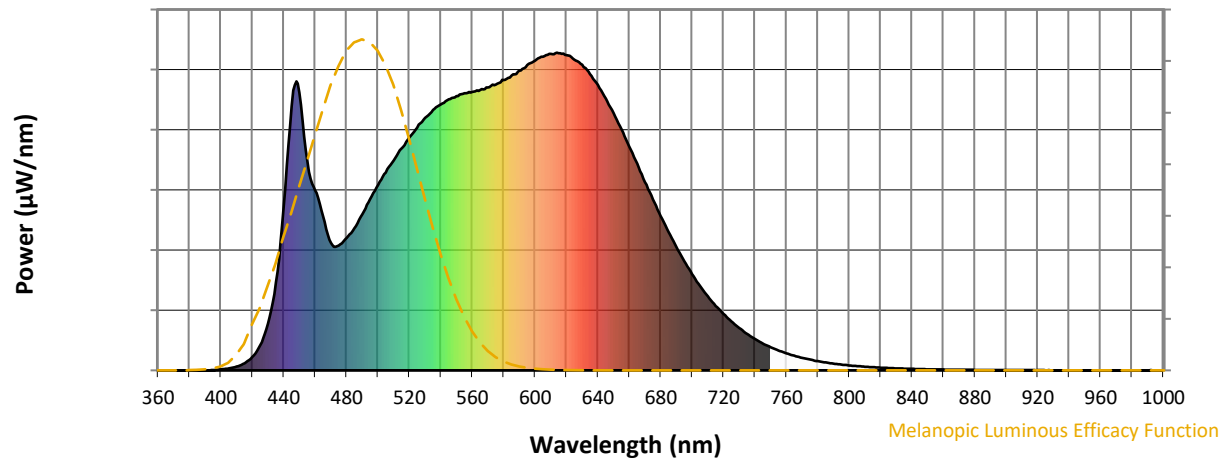
Scotopic Lumens: NR

S/P: 1.72

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	492	NR	620	993	NR	750	73	NR	880	1	NR
365	0	NR	495	539	NR	625	978	NR	755	62	NR	885	1	NR
370	0	NR	500	583	NR	630	962	NR	760	54	NR	890	1	NR
375	0	NR	505	623	NR	635	933	NR	765	46	NR	895	1	NR
380	0	NR	510	661	NR	640	898	NR	770	39	NR	900	1	NR
385	0	NR	515	698	NR	645	855	NR	775	34	NR	905	1	NR
390	0	NR	520	733	NR	650	810	NR	780	29	NR	910	1	NR
395	1	NR	525	764	NR	655	759	NR	785	25	NR	915	1	NR
400	3	NR	530	794	NR	660	704	NR	790	21	NR	920	1	NR
405	6	NR	535	820	NR	665	651	NR	795	18	NR	925	1	NR
410	12	NR	540	837	NR	670	592	NR	800	16	NR	930	1	NR
415	22	NR	545	853	NR	675	538	NR	805	13	NR	935	0	NR
420	42	NR	550	864	NR	680	486	NR	810	12	NR	940	0	NR
425	79	NR	555	872	NR	685	435	NR	815	10	NR	945	0	NR
430	147	NR	560	876	NR	690	389	NR	820	9	NR	950	0	NR
435	278	NR	565	883	NR	695	344	NR	825	7	NR	955	0	NR
440	515	NR	570	891	NR	700	303	NR	830	6	NR	960	0	NR
445	832	NR	575	900	NR	705	266	NR	835	5	NR	965	0	NR
450	874	NR	580	914	NR	710	233	NR	840	5	NR	970	0	NR
455	659	NR	585	927	NR	715	203	NR	845	4	NR	975	0	NR
460	567	NR	590	944	NR	720	178	NR	850	4	NR	980	0	NR
465	485	NR	595	961	NR	725	154	NR	855	3	NR	985	0	NR
470	401	NR	600	975	NR	730	133	NR	860	3	NR	990	0	NR
475	393	NR	605	988	NR	735	115	NR	865	2	NR	995	1	NR
480	417	NR	610	996	NR	740	98	NR	870	2	NR	1000	0	NR
485	448	NR	615	998	NR	745	85	NR	875	2	NR			

REPORT NUMBER: SP1-2407-184-16

Melanopic Flux vs. Wavelength


Melanopic Lumens: NR
M/P: 3.52

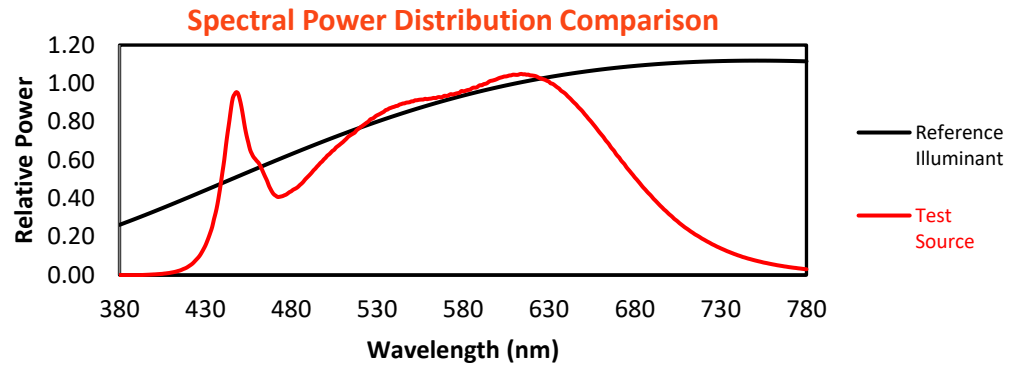
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	492	NR	620	993	NR	750	73	NR	880	1	NR
365	0	NR	495	539	NR	625	978	NR	755	62	NR	885	1	NR
370	0	NR	500	583	NR	630	962	NR	760	54	NR	890	1	NR
375	0	NR	505	623	NR	635	933	NR	765	46	NR	895	1	NR
380	0	NR	510	661	NR	640	898	NR	770	39	NR	900	1	NR
385	0	NR	515	698	NR	645	855	NR	775	34	NR	905	1	NR
390	0	NR	520	733	NR	650	810	NR	780	29	NR	910	1	NR
395	1	NR	525	764	NR	655	759	NR	785	25	NR	915	1	NR
400	3	NR	530	794	NR	660	704	NR	790	21	NR	920	1	NR
405	6	NR	535	820	NR	665	651	NR	795	18	NR	925	1	NR
410	12	NR	540	837	NR	670	592	NR	800	16	NR	930	1	NR
415	22	NR	545	853	NR	675	538	NR	805	13	NR	935	0	NR
420	42	NR	550	864	NR	680	486	NR	810	12	NR	940	0	NR
425	79	NR	555	872	NR	685	435	NR	815	10	NR	945	0	NR
430	147	NR	560	876	NR	690	389	NR	820	9	NR	950	0	NR
435	278	NR	565	883	NR	695	344	NR	825	7	NR	955	0	NR
440	515	NR	570	891	NR	700	303	NR	830	6	NR	960	0	NR
445	832	NR	575	900	NR	705	266	NR	835	5	NR	965	0	NR
450	874	NR	580	914	NR	710	233	NR	840	5	NR	970	0	NR
455	659	NR	585	927	NR	715	203	NR	845	4	NR	975	0	NR
460	567	NR	590	944	NR	720	178	NR	850	4	NR	980	0	NR
465	485	NR	595	961	NR	725	154	NR	855	3	NR	985	0	NR
470	401	NR	600	975	NR	730	133	NR	860	3	NR	990	0	NR
475	393	NR	605	988	NR	735	115	NR	865	2	NR	995	1	NR
480	417	NR	610	996	NR	740	98	NR	870	2	NR	1000	0	NR
485	448	NR	615	998	NR	745	85	NR	875	2	NR			

REPORT NUMBER: SP1-2407-184-16

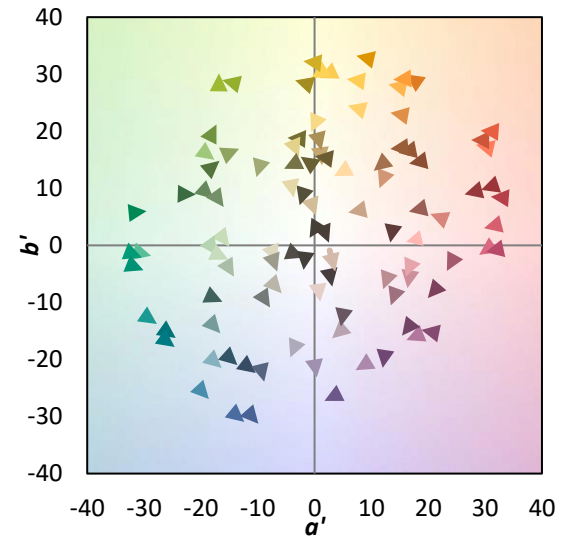
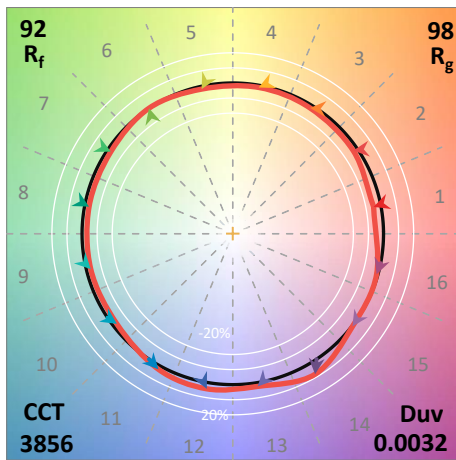
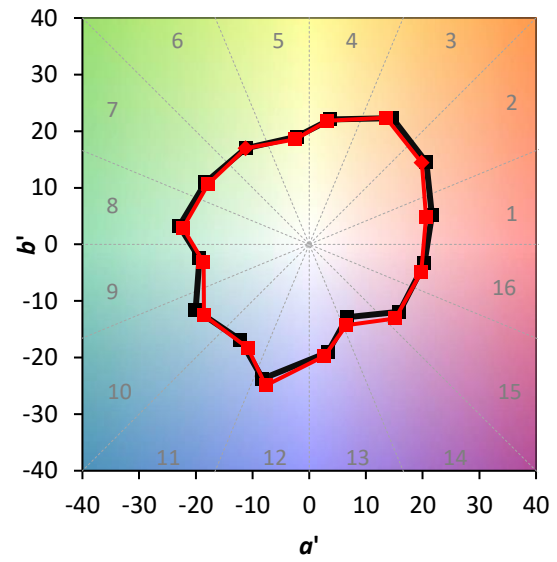
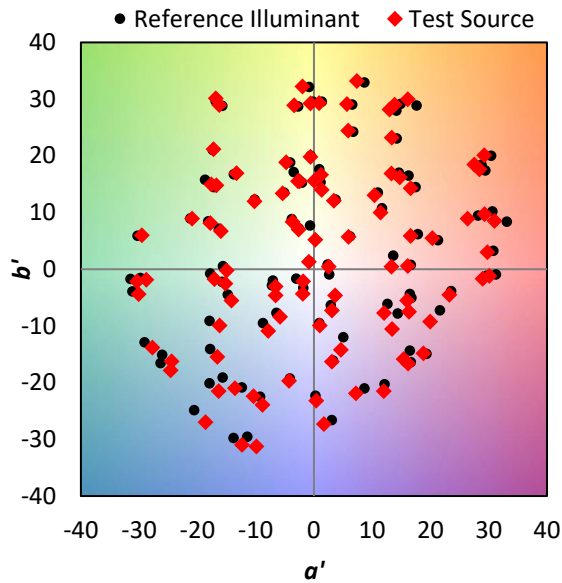
TM-30-18

Summary

$R_f = 91.8$
 $R_g = 98.4$
 $CIE\ R_a = 92.1$
 $R_9 = 60.7$

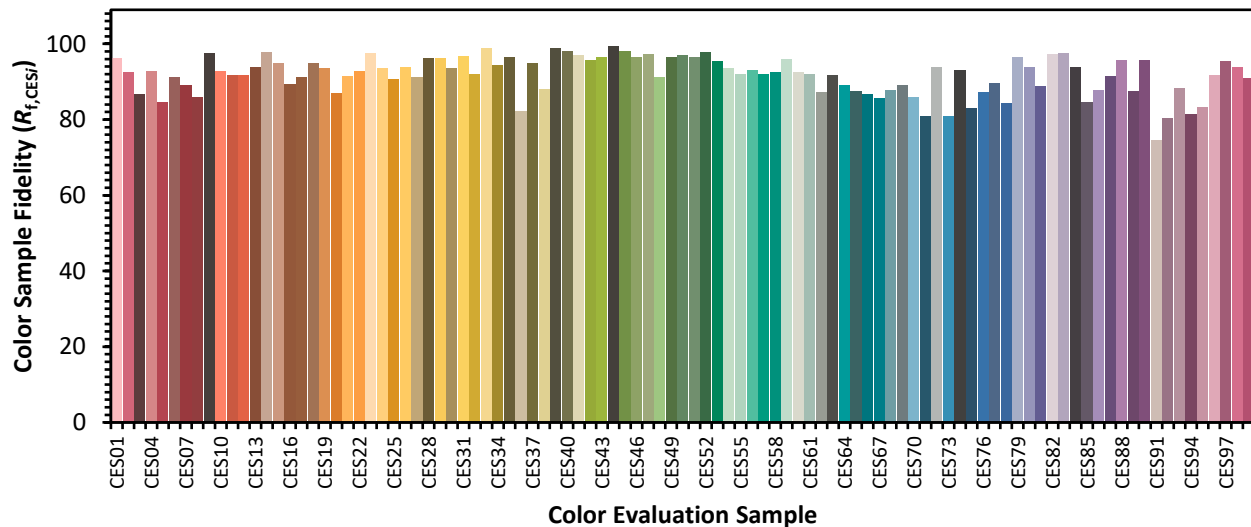


Color Vector Graphics

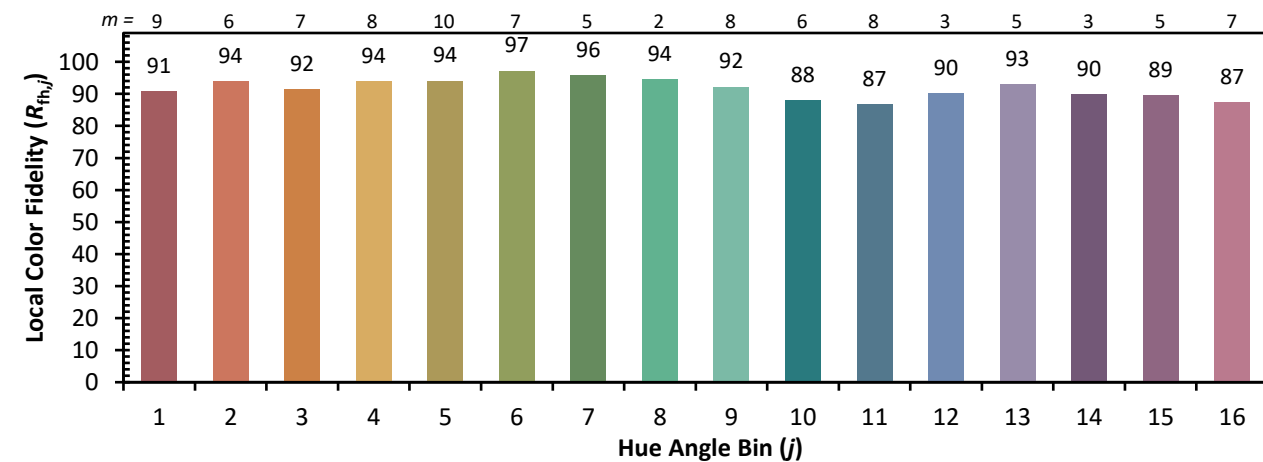
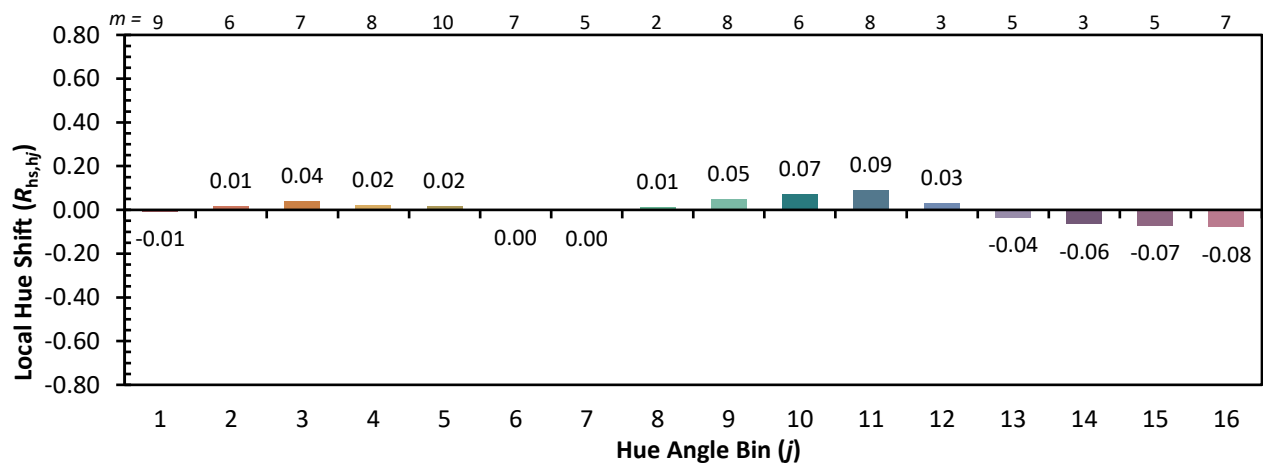
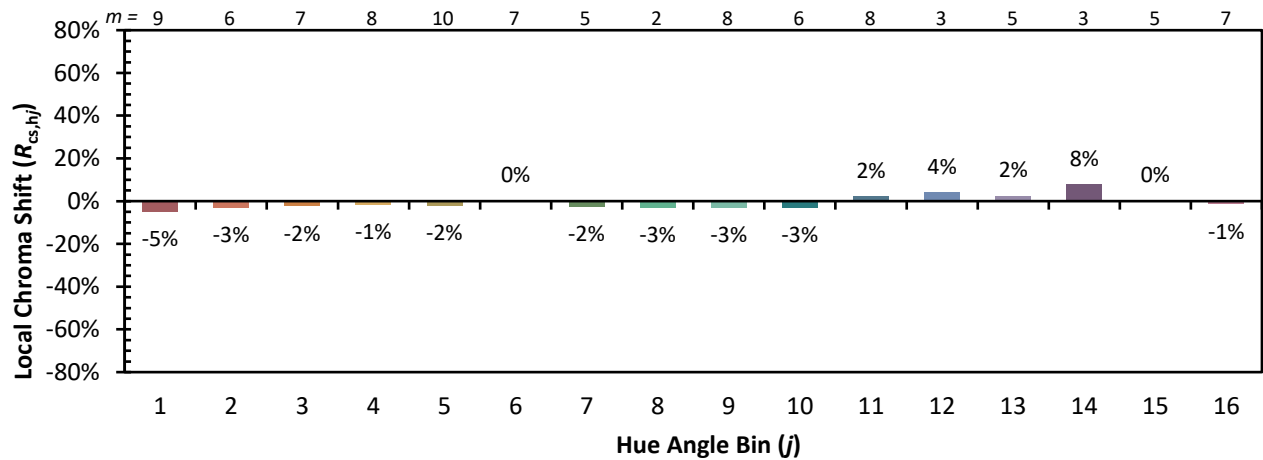


Individual Sample Fidelity Index ($R_{f,i}$)

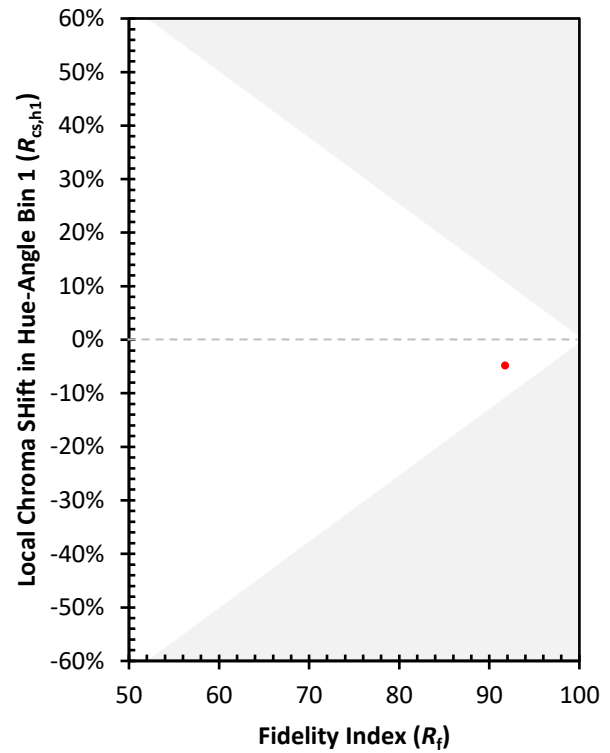
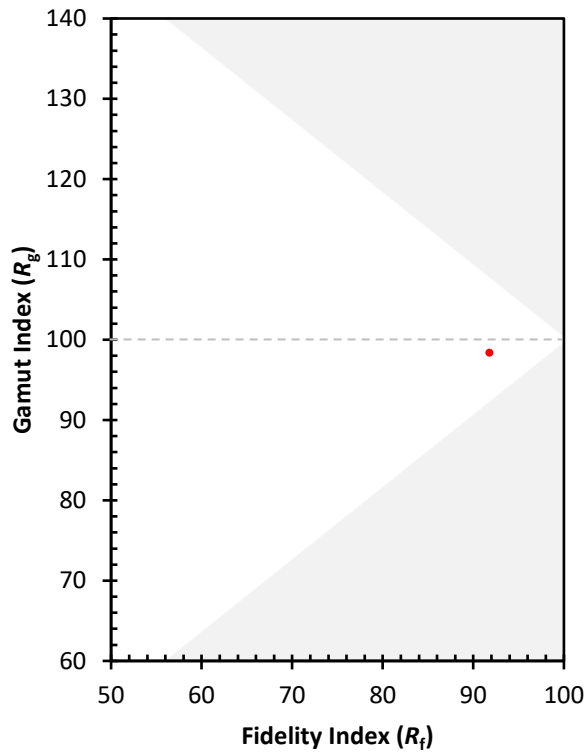
CES01 = 86	CES26 = 94	CES51 = 96	CES76 = 87
CES02 = 62	CES27 = 91	CES52 = 98	CES77 = 90
CES03 = 31	CES28 = 96	CES53 = 95	CES78 = 84
CES04 = 69	CES29 = 96	CES54 = 94	CES79 = 96
CES05 = 49	CES30 = 93	CES55 = 92	CES80 = 94
CES06 = 50	CES31 = 97	CES56 = 93	CES81 = 89
CES07 = 42	CES32 = 92	CES57 = 92	CES82 = 97
CES08 = 41	CES33 = 99	CES58 = 92	CES83 = 98
CES09 = 29	CES34 = 94	CES59 = 96	CES84 = 94
CES10 = 74	CES35 = 96	CES60 = 93	CES85 = 85
CES11 = 57	CES36 = 82	CES61 = 92	CES86 = 88
CES12 = 63	CES37 = 95	CES62 = 87	CES87 = 92
CES13 = 43	CES38 = 88	CES63 = 92	CES88 = 96
CES14 = 74	CES39 = 99	CES64 = 89	CES89 = 87
CES15 = 71	CES40 = 98	CES65 = 88	CES90 = 96
CES16 = 47	CES41 = 97	CES66 = 87	CES91 = 74
CES17 = 49	CES42 = 96	CES67 = 86	CES92 = 80
CES18 = 56	CES43 = 96	CES68 = 88	CES93 = 88
CES19 = 71	CES44 = 99	CES69 = 89	CES94 = 82
CES20 = 66	CES45 = 98	CES70 = 86	CES95 = 83
CES21 = 85	CES46 = 97	CES71 = 81	CES96 = 92
CES22 = 78	CES47 = 97	CES72 = 94	CES97 = 95
CES23 = 91	CES48 = 91	CES73 = 81	CES98 = 94
CES24 = 90	CES49 = 96	CES74 = 93	CES99 = 91
CES25 = 71	CES50 = 97	CES75 = 83	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)