

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: P1049207

Luminaire Tested: **GALN-SA9C-835-U-RBC**

Issue Date: 07/10/2025



Test Information

Test Method: LM-79-08
Report Number: P1049207
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA9C-835-U-RBC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 1050mA 9xLight Square PACKAGE
80CRI 3500K FIXTURE w/ RIGHT CORNER BACKLIGHT CONTROL
Light Source: (126) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 40424.5 lumens
Efficiency: N/A
Efficacy: 96.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G5

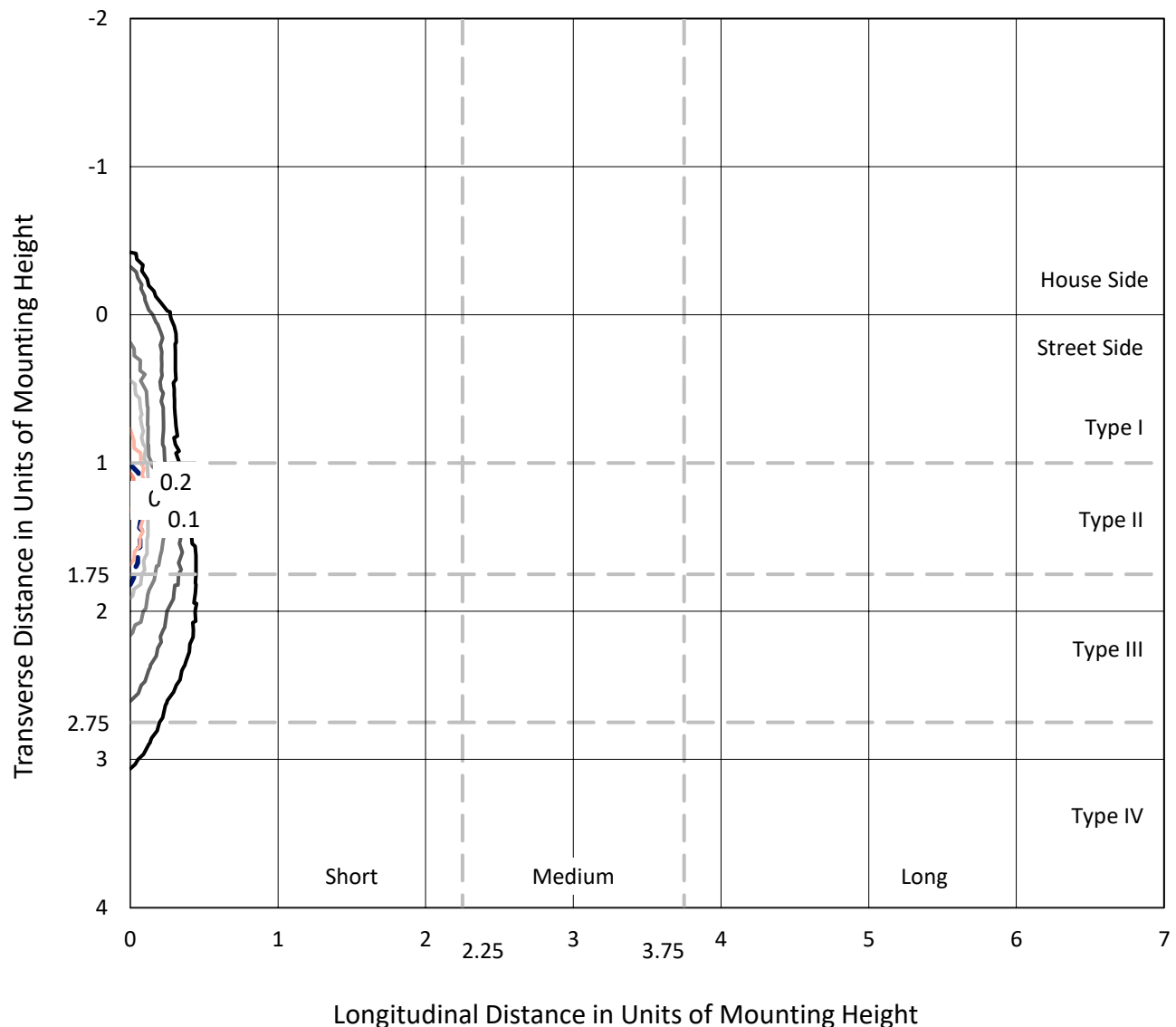
Input Watts (W): 417.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

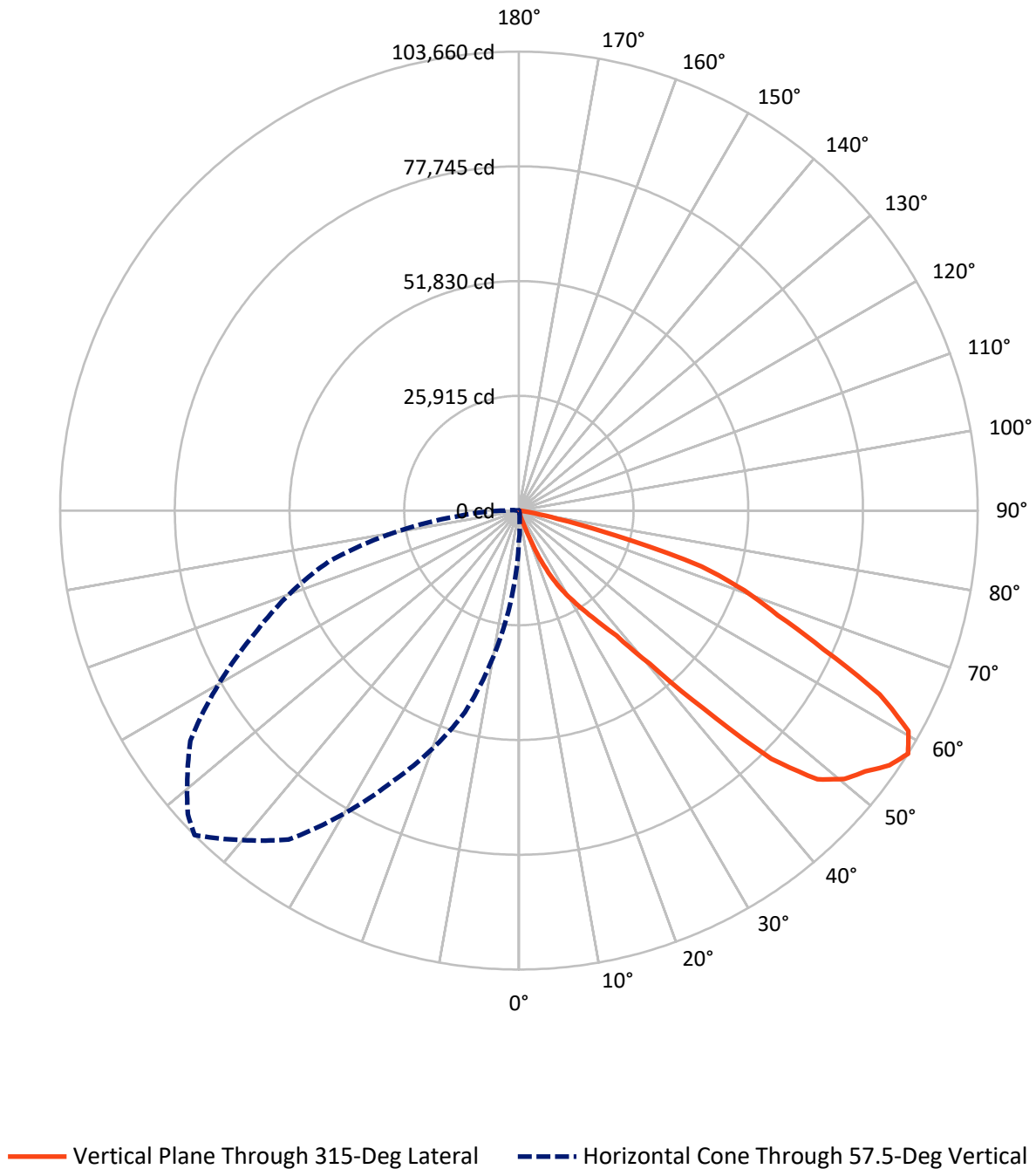
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6 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	202.4	0.0	202.4
	% Fixture	0.5	0.0	0.5
Street Side	Lumens	40222.1	0.0	40222.1
	% Fixture	99.5	0.0	99.5
Total	Lumens	40424.5	0.0	40424.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.8	0.0
10°-20°	88.8	0.2
20°-30°	958.0	2.4
30°-40°	2833.0	7.0
40°-50°	8443.1	20.9
50°-60°	13387.6	33.1
60°-70°	11175.4	27.6
70°-80°	3446.1	8.5
80°-90°	76.6	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°	40424.5	100.0
0°-180°	40424.5	100.0



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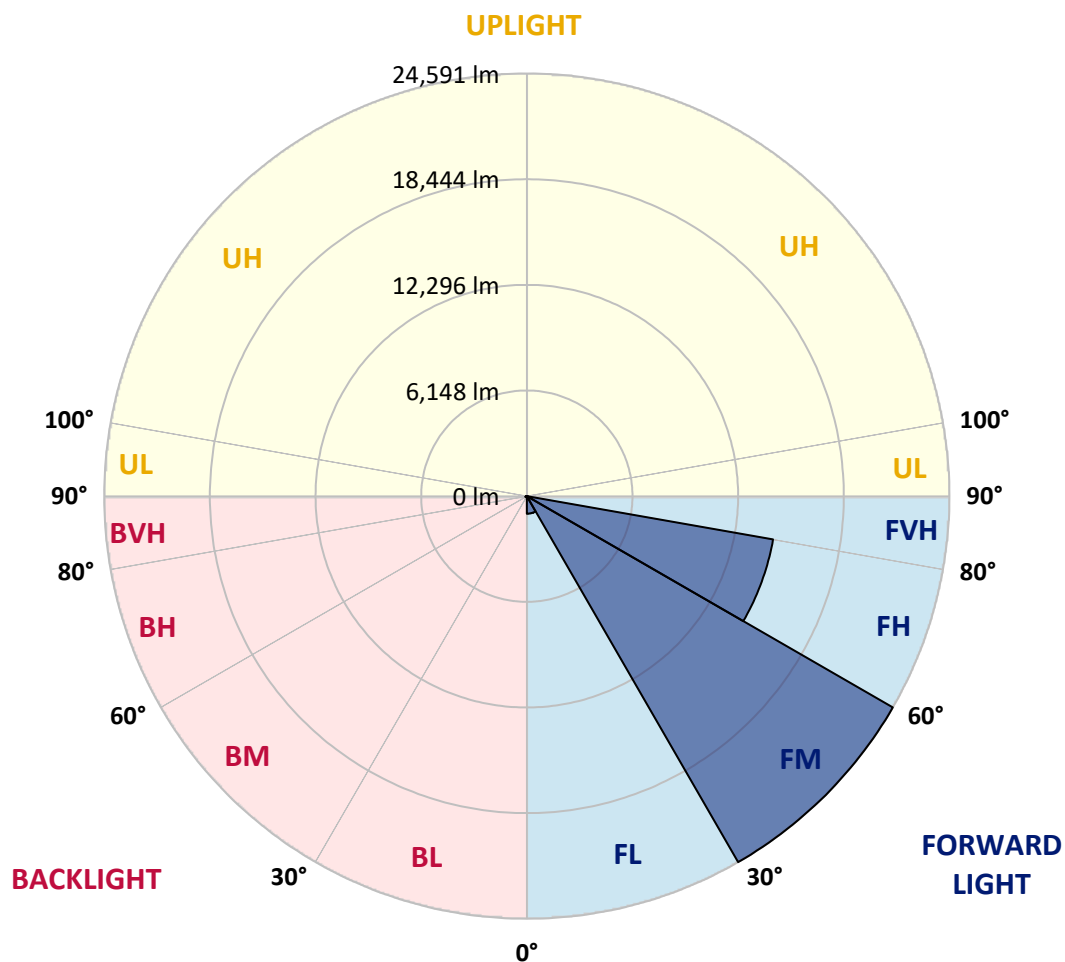
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1025.5	2.5			
FM	(30°-60°)	24591.4	60.8			
FH	(60°-80°)	14546.0	36.0			G5
FVH	(80°-90°)	59.2	0.1			G1/100
BL	(0°-30°)	37.2	0.1	B0/110		
BM	(30°-60°)	72.4	0.2	B0/220		
BH	(60°-80°)	75.5	0.2	B0/110		G0/110
BVH	(80°-90°)	17.4	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-G5

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°	177.2	177.2	177.2	177.2	177.2	177.2	177.2	177.2	177.2	177.2
2.5°	161.9	161.9	161.9	161.9	158.9	158.9	155.8	155.8	152.7	152.7
5°	171.1	171.1	168.0	165.0	165.0	161.9	158.9	155.8	155.8	152.7
7.5°	186.3	183.3	180.2	177.2	171.1	168.0	161.9	158.9	155.8	149.7
10°	204.7	198.6	192.5	186.3	180.2	174.1	168.0	165.0	158.9	155.8
12.5°	229.1	219.9	207.7	198.6	192.5	183.3	177.2	171.1	161.9	155.8
15°	250.5	238.3	223.0	210.8	201.6	189.4	180.2	171.1	165.0	155.8
17.5°	281.0	259.7	235.2	219.9	207.7	192.5	177.2	168.0	158.9	146.6
20°	333.0	290.2	244.4	226.1	207.7	189.4	171.1	158.9	149.7	137.5
22.5°	415.5	342.1	268.8	241.3	216.9	189.4	165.0	152.7	140.5	128.3
25°	574.3	443.0	311.6	274.9	238.3	201.6	165.0	149.7	137.5	122.2
27.5°	763.7	568.2	369.6	317.7	268.8	216.9	165.0	146.6	131.4	113.0
30°	956.2	696.5	433.8	366.6	299.4	232.2	165.0	143.6	125.2	103.9
32.5°	1139.5	815.6	488.8	409.3	329.9	247.4	168.0	143.6	119.1	94.7
35°	1325.8	913.4	497.9	415.5	333.0	247.4	165.0	137.5	113.0	85.5
37.5°	1564.1	1023.4	479.6	397.1	317.7	235.2	155.8	131.4	106.9	79.4
40°	1924.6	1206.7	488.8	403.2	317.7	232.2	146.6	122.2	100.8	76.4
42.5°	2590.5	1561.0	528.5	430.7	333.0	232.2	134.4	113.0	94.7	73.3
45°	4478.4	2593.6	708.7	562.1	415.5	268.8	122.2	103.9	88.6	70.3
47.5°	7408.0	4340.9	1273.9	983.7	696.5	406.3	119.1	103.9	88.6	70.3
50°	9454.7	5529.3	1603.8	1234.2	864.5	494.9	125.2	106.9	91.6	73.3
52.5°	9439.5	5614.8	1787.1	1371.6	959.2	543.8	131.4	113.0	97.8	79.4
55°	8391.7	5107.7	1820.7	1399.1	980.6	559.0	140.5	122.2	103.9	85.5
57.5°	7013.9	4337.9	1661.8	1286.1	913.4	537.7	161.9	140.5	122.2	100.8
60°	5547.6	3421.4	1295.3	1023.4	754.5	482.7	213.8	186.3	161.9	134.4
62.5°	3830.8	2480.5	1130.3	907.3	687.3	464.3	244.4	216.9	192.5	165.0
65°	2709.6	1866.5	1020.3	830.9	644.6	455.2	265.8	235.2	207.7	177.2
67.5°	2025.4	1484.7	940.9	779.0	617.1	455.2	293.3	256.6	223.0	186.3
70°	1551.9	1218.9	882.9	751.5	623.2	491.8	360.5	308.5	259.7	207.7
72.5°	1264.7	1041.7	815.6	720.9	626.2	531.5	436.8	369.6	302.4	232.2
75°	1047.8	892.0	736.2	656.8	580.4	501.0	421.6	360.5	302.4	241.3
77.5°	696.5	635.4	571.3	525.4	479.6	430.7	384.9	333.0	284.1	232.2
80°	244.4	235.2	226.1	244.4	262.7	281.0	299.4	262.7	229.1	192.5
82.5°	36.7	33.6	30.5	33.6	36.7	39.7	42.8	45.8	48.9	51.9
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°	177.2	177.2	177.2	177.2	177.2	177.2	177.2	177.2	177.2	177.2
0.0	2.5°	149.7	149.7	146.6	146.6	146.6	143.6	143.6	140.5	140.5	140.5
0.0	5°	146.6	146.6	143.6	140.5	137.5	137.5	134.4	131.4	131.4	128.3
0.0	7.5°	143.6	140.5	137.5	134.4	131.4	128.3	125.2	122.2	122.2	119.1
0.0	10°	146.6	140.5	137.5	131.4	128.3	125.2	119.1	116.1	113.0	113.0
0.0	12.5°	140.5	137.5	131.4	125.2	122.2	116.1	113.0	106.9	103.9	103.9
0.0	15°	140.5	134.4	125.2	119.1	113.0	110.0	103.9	97.8	94.7	91.6
0.0	17.5°	131.4	125.2	116.1	110.0	103.9	97.8	91.6	85.5	82.5	79.4
0.0	20°	119.1	113.0	103.9	94.7	88.6	82.5	76.4	70.3	67.2	64.2
0.0	22.5°	106.9	100.8	91.6	82.5	76.4	70.3	61.1	55.0	51.9	45.8
0.0	25°	100.8	91.6	82.5	73.3	64.2	58.0	48.9	39.7	33.6	27.5
0.0	27.5°	85.5	76.4	67.2	58.0	48.9	39.7	30.5	21.4	15.3	12.2
0.0	30°	73.3	64.2	55.0	45.8	33.6	24.4	15.3	3.1	3.1	3.1
0.0	32.5°	61.1	51.9	39.7	30.5	24.4	15.3	9.2	0.0	0.0	0.0
0.0	35°	48.9	39.7	27.5	18.3	15.3	9.2	6.1	0.0	0.0	0.0
0.0	37.5°	42.8	33.6	21.4	9.2	6.1	6.1	3.1	0.0	0.0	0.0
0.0	40°	39.7	27.5	15.3	3.1	3.1	3.1	0.0	0.0	0.0	0.0
0.0	42.5°	39.7	27.5	12.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	39.7	27.5	12.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	39.7	27.5	12.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	42.8	30.5	15.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	48.9	36.7	24.4	12.2	9.2	6.1	3.1	0.0	0.0	0.0
0.0	55°	61.1	55.0	45.8	39.7	30.5	21.4	9.2	0.0	0.0	0.0
0.0	57.5°	79.4	79.4	76.4	73.3	55.0	36.7	18.3	0.0	0.0	0.0
0.0	60°	106.9	106.9	106.9	106.9	79.4	55.0	27.5	0.0	0.0	0.0
0.0	62.5°	131.4	125.2	116.1	110.0	82.5	55.0	27.5	0.0	0.0	0.0
0.0	65°	131.4	119.1	103.9	88.6	67.2	45.8	21.4	0.0	0.0	0.0
0.0	67.5°	122.2	97.8	70.3	45.8	33.6	24.4	12.2	0.0	0.0	0.0
	70°	122.2	85.5	48.9	12.2	9.2	6.1	3.1	0.0	0.0	0.0
	72.5°	122.2	82.5	39.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	75°	134.4	91.6	45.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	77.5°	134.4	91.6	45.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	80°	119.1	79.4	39.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	82.5°	39.7	27.5	12.2	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°	177.2	177.2	177.2	177.2	177.2	177.2	177.2	177.2	177.2	177.2
0.0	2.5°	137.5	137.5	137.5	134.4	134.4	134.4	134.4	131.4	131.4	131.4
0.0	5°	125.2	125.2	122.2	122.2	119.1	119.1	116.1	116.1	113.0	113.0
0.0	7.5°	116.1	113.0	113.0	110.0	106.9	106.9	103.9	103.9	100.8	97.8
0.0	10°	106.9	103.9	103.9	100.8	97.8	94.7	94.7	91.6	88.6	85.5
0.0	12.5°	97.8	94.7	91.6	88.6	85.5	82.5	82.5	79.4	76.4	73.3
0.0	15°	85.5	82.5	79.4	76.4	73.3	70.3	70.3	67.2	64.2	61.1
0.0	17.5°	73.3	70.3	70.3	67.2	64.2	61.1	58.0	51.9	48.9	45.8
0.0	20°	55.0	51.9	48.9	45.8	42.8	36.7	33.6	27.5	21.4	18.3
0.0	22.5°	36.7	30.5	27.5	21.4	15.3	12.2	9.2	3.1	0.0	0.0
0.0	25°	12.2	9.2	6.1	3.1	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: P1049207

CATALOG NUMBER: GALN-SA9C-835-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049207

CATALOG NUMBER: GALN-SA9C-835-U-RBC

CANDELA DISTRIBUTION (continued):

80°		82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°
0.0	0°	177.2	177.2	177.2	177.2	177.2	177.2	177.2	177.2	177.2	177.2
0.0	2.5°	128.3	128.3	128.3	125.2	125.2	125.2	125.2	125.2	125.2	125.2
0.0	5°	110.0	110.0	110.0	106.9	106.9	103.9	103.9	103.9	100.8	100.8
0.0	7.5°	94.7	91.6	91.6	88.6	88.6	85.5	85.5	85.5	82.5	82.5
0.0	10°	79.4	76.4	76.4	73.3	73.3	70.3	70.3	67.2	67.2	64.2
0.0	12.5°	70.3	67.2	64.2	61.1	61.1	58.0	55.0	55.0	51.9	48.9
0.0	15°	55.0	51.9	48.9	45.8	42.8	39.7	36.7	36.7	33.6	30.5
0.0	17.5°	36.7	30.5	27.5	24.4	24.4	21.4	18.3	15.3	12.2	9.2
0.0	20°	9.2	6.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	32.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049207

CATALOG NUMBER: GALN-SA9C-835-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°	177.2	177.2	177.2	177.2	177.2	177.2	177.2	177.2	177.2	177.2
0.0	2.5°	125.2	122.2	122.2	122.2	125.2	125.2	125.2	125.2	125.2	125.2
0.0	5°	100.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
0.0	7.5°	82.5	79.4	79.4	79.4	79.4	76.4	76.4	76.4	76.4	76.4
0.0	10°	64.2	61.1	61.1	61.1	61.1	58.0	58.0	58.0	58.0	58.0
0.0	12.5°	45.8	45.8	42.8	42.8	42.8	39.7	39.7	39.7	39.7	36.7
0.0	15°	27.5	24.4	21.4	21.4	21.4	18.3	18.3	18.3	18.3	15.3
0.0	17.5°	6.1	6.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0
0.0	20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	32.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049207

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CANDELA DISTRIBUTION (continued):

135°		137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°
0.0	0°	177.2	177.2	177.2	177.2	177.2	177.2	177.2	177.2	177.2	177.2
0.0	2.5°	128.3	128.3	131.4	131.4	134.4	140.5	143.6	146.6	152.7	158.9
0.0	5°	100.8	103.9	103.9	106.9	110.0	113.0	116.1	119.1	125.2	131.4
0.0	7.5°	79.4	79.4	82.5	82.5	85.5	91.6	94.7	97.8	103.9	113.0
0.0	10°	61.1	61.1	64.2	64.2	67.2	73.3	76.4	79.4	85.5	94.7
0.0	12.5°	39.7	42.8	42.8	45.8	48.9	55.0	58.0	61.1	67.2	73.3
0.0	15°	18.3	21.4	21.4	24.4	27.5	33.6	36.7	39.7	45.8	55.0
0.0	17.5°	3.1	3.1	6.1	6.1	9.2	12.2	15.3	18.3	27.5	33.6
0.0	20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.1	12.2
0.0	22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1
0.0	25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	32.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

[illegible]

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CATALOG NUMBER: GALN-SA9C-835-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°	177.2	177.2	177.2	177.2	177.2	177.2	177.2	177.2	177.2	177.2
0.0	2.5°	168.0	174.1	180.2	186.3	192.5	198.6	201.6	207.7	210.8	213.8
0.0	5°	143.6	149.7	158.9	165.0	171.1	177.2	183.3	186.3	189.4	192.5
0.0	7.5°	125.2	131.4	140.5	146.6	152.7	158.9	165.0	171.1	174.1	177.2
0.0	10°	106.9	116.1	122.2	131.4	137.5	143.6	149.7	155.8	161.9	165.0
0.0	12.5°	85.5	94.7	103.9	110.0	119.1	128.3	134.4	140.5	146.6	152.7
0.0	15°	67.2	76.4	85.5	91.6	100.8	110.0	119.1	125.2	131.4	137.5
0.0	17.5°	48.9	58.0	67.2	73.3	82.5	91.6	97.8	106.9	113.0	119.1
0.0	20°	24.4	33.6	42.8	51.9	61.1	70.3	76.4	85.5	91.6	97.8
0.0	22.5°	3.1	12.2	21.4	27.5	36.7	45.8	51.9	61.1	67.2	73.3
0.0	25°	0.0	3.1	9.2	12.2	15.3	21.4	27.5	33.6	39.7	45.8
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	3.1	6.1	12.2	18.3	24.4
0.0	30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.1
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	3.1
	82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	3.1	6.1
	85°	0.0	0.0	0.0	0.0	0.0	6.1	9.2	15.3	18.3	21.4
	87.5°	0.0	3.1	6.1	9.2	12.2	18.3	24.4	30.5	33.6	36.7
	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

CATALOG NUMBER: GALN-SA9C-835-U-RBC

[illegible]

REPORT NUMBER: P1049207

CATALOG NUMBER: GALN-SA9C-835-U-RBC

CANDELA DISTRIBUTION (continued):

190°		192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°
0.0	0°	177.2	177.2	177.2	177.2	177.2	177.2	177.2	177.2	177.2	177.2
0.0	2.5°	216.9	216.9	216.9	216.9	213.8	213.8	213.8	210.8	210.8	207.7
0.0	5°	198.6	201.6	201.6	201.6	201.6	201.6	201.6	201.6	198.6	198.6
0.0	7.5°	183.3	186.3	189.4	189.4	192.5	192.5	192.5	189.4	189.4	186.3
0.0	10°	174.1	177.2	177.2	180.2	180.2	180.2	180.2	180.2	180.2	180.2
0.0	12.5°	161.9	165.0	168.0	168.0	171.1	171.1	171.1	171.1	168.0	168.0
0.0	15°	146.6	152.7	155.8	158.9	158.9	161.9	161.9	161.9	161.9	161.9
0.0	17.5°	134.4	140.5	143.6	146.6	146.6	149.7	149.7	152.7	152.7	152.7
0.0	20°	110.0	116.1	119.1	125.2	128.3	131.4	134.4	137.5	137.5	140.5
0.0	22.5°	85.5	91.6	94.7	100.8	103.9	106.9	110.0	113.0	116.1	119.1
0.0	25°	61.1	67.2	70.3	76.4	79.4	82.5	85.5	88.6	88.6	91.6
0.0	27.5°	33.6	39.7	45.8	48.9	55.0	58.0	61.1	64.2	67.2	70.3
0.0	30°	15.3	18.3	21.4	27.5	30.5	33.6	36.7	42.8	45.8	48.9
0.0	32.5°	0.0	0.0	3.1	9.2	12.2	15.3	18.3	21.4	21.4	24.4
0.0	35°	0.0	0.0	0.0	0.0	0.0	0.0	3.1	6.1	9.2	12.2
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°	6.1	6.1	6.1	9.2	9.2	9.2	9.2	9.2	9.2	9.2
	82.5°	15.3	18.3	21.4	21.4	24.4	24.4	24.4	24.4	21.4	21.4
	85°	30.5	33.6	36.7	36.7	39.7	39.7	39.7	39.7	39.7	39.7
	87.5°	42.8	45.8	48.9	48.9	51.9	51.9	51.9	51.9	51.9	51.9
	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: P1049207

CATALOG NUMBER: GALN-SA9C-835-U-RBC

CANDELA DISTRIBUTION (continued):

217.5°		192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°
177.2	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
207.7	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
198.6	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
186.3	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180.2	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
168.0	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
161.9	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.7	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
119.1	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
94.7	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
73.3	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
51.9	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30.5	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18.3	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.1	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.1	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.1	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.1	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.1	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.1	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.1	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											
9.2											
21.4											
39.7											
51.9											
0.0											
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REPORT NUMBER: P1049207

CATALOG NUMBER: GALN-SA9C-835-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°	177.2	177.2	177.2	177.2	177.2	177.2	177.2	177.2	177.2	177.2
0.0	2.5°	204.7	204.7	201.6	201.6	201.6	201.6	201.6	204.7	207.7	207.7
0.0	5°	195.5	195.5	192.5	192.5	192.5	195.5	195.5	198.6	201.6	204.7
0.0	7.5°	186.3	183.3	183.3	186.3	186.3	189.4	189.4	192.5	195.5	198.6
0.0	10°	180.2	177.2	177.2	177.2	180.2	180.2	183.3	186.3	189.4	192.5
0.0	12.5°	168.0	168.0	168.0	168.0	171.1	171.1	174.1	177.2	183.3	186.3
0.0	15°	161.9	158.9	158.9	158.9	158.9	161.9	161.9	168.0	174.1	177.2
0.0	17.5°	149.7	149.7	146.6	146.6	149.7	149.7	152.7	158.9	165.0	168.0
0.0	20°	137.5	134.4	131.4	131.4	134.4	134.4	137.5	143.6	149.7	152.7
0.0	22.5°	119.1	116.1	116.1	116.1	116.1	119.1	119.1	125.2	134.4	140.5
0.0	25°	94.7	97.8	97.8	100.8	100.8	103.9	106.9	113.0	122.2	128.3
0.0	27.5°	73.3	76.4	76.4	82.5	85.5	88.6	91.6	100.8	110.0	116.1
0.0	30°	55.0	58.0	61.1	64.2	70.3	76.4	82.5	91.6	100.8	106.9
0.0	32.5°	33.6	39.7	42.8	48.9	55.0	61.1	67.2	76.4	88.6	97.8
0.0	35°	24.4	27.5	33.6	36.7	42.8	48.9	55.0	67.2	76.4	88.6
0.0	37.5°	12.2	18.3	24.4	30.5	36.7	42.8	48.9	61.1	73.3	82.5
0.0	40°	9.2	15.3	18.3	24.4	33.6	39.7	45.8	58.0	70.3	82.5
0.0	42.5°	6.1	9.2	12.2	21.4	27.5	36.7	45.8	58.0	70.3	82.5
0.0	45°	6.1	6.1	9.2	18.3	27.5	39.7	48.9	61.1	70.3	82.5
0.0	47.5°	6.1	9.2	12.2	24.4	30.5	39.7	48.9	58.0	70.3	79.4
0.0	50°	9.2	12.2	15.3	27.5	33.6	42.8	48.9	61.1	70.3	82.5
0.0	52.5°	6.1	9.2	12.2	24.4	33.6	45.8	55.0	67.2	79.4	88.6
0.0	55°	3.1	3.1	3.1	18.3	36.7	51.9	70.3	79.4	91.6	100.8
0.0	57.5°	0.0	0.0	0.0	12.2	36.7	58.0	79.4	91.6	103.9	113.0
0.0	60°	0.0	0.0	0.0	12.2	36.7	58.0	79.4	94.7	110.0	125.2
0.0	62.5°	0.0	0.0	0.0	12.2	30.5	48.9	67.2	91.6	119.1	143.6
0.0	65°	0.0	0.0	0.0	9.2	24.4	39.7	55.0	91.6	128.3	161.9
0.0	67.5°	0.0	0.0	0.0	9.2	24.4	36.7	51.9	91.6	128.3	168.0
	70°	0.0	0.0	0.0	9.2	24.4	39.7	55.0	91.6	128.3	165.0
	72.5°	0.0	0.0	0.0	9.2	27.5	42.8	61.1	91.6	122.2	152.7
	75°	0.0	0.0	0.0	12.2	27.5	45.8	64.2	91.6	119.1	143.6
	77.5°	0.0	0.0	0.0	9.2	27.5	42.8	61.1	88.6	116.1	140.5
	80°	9.2	6.1	6.1	15.3	27.5	39.7	51.9	79.4	110.0	137.5
	82.5°	18.3	18.3	15.3	21.4	27.5	36.7	45.8	70.3	97.8	122.2
	85°	36.7	36.7	33.6	36.7	36.7	39.7	42.8	55.0	67.2	79.4
	87.5°	48.9	48.9	45.8	45.8	45.8	42.8	42.8	42.8	42.8	39.7
	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: P1049207

CATALOG NUMBER: GALN-SA9C-835-U-RBC

CANDELA DISTRIBUTION (continued):

245°		220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°
177.2	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
210.8	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
207.7	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
201.6	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
195.5	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
189.4	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
183.3	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
174.1	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
158.9	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
146.6	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
134.4	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125.2	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
116.1	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
106.9	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.8	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
94.7	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
94.7	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
94.7	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
91.6	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.6	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
91.6	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100.8	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110.0	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125.2	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140.5	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
168.0	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
198.6	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
204.7	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
201.6											
183.3											
171.1											
168.0											
165.0											
146.6											
91.6											
39.7											
0.0											
0.0											
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REPORT NUMBER: P1049207

CATALOG NUMBER: GALN-SA9C-835-U-RBC

CANDELA DISTRIBUTION (continued):

245°		247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°
0.0	0°	177.2	177.2	177.2	177.2	177.2	177.2	177.2	177.2	177.2	177.2
0.0	2.5°	213.8	216.9	216.9	219.9	223.0	226.1	226.1	229.1	229.1	229.1
0.0	5°	210.8	216.9	219.9	223.0	226.1	229.1	232.2	235.2	238.3	238.3
0.0	7.5°	207.7	210.8	216.9	219.9	226.1	229.1	235.2	238.3	241.3	244.4
0.0	10°	201.6	207.7	213.8	219.9	226.1	232.2	238.3	244.4	250.5	253.6
0.0	12.5°	195.5	204.7	210.8	216.9	226.1	235.2	241.3	250.5	256.6	262.7
0.0	15°	192.5	198.6	207.7	213.8	226.1	238.3	247.4	259.7	271.9	281.0
0.0	17.5°	183.3	195.5	204.7	213.8	226.1	241.3	253.6	265.8	284.1	302.4
0.0	20°	171.1	180.2	192.5	201.6	219.9	235.2	253.6	268.8	296.3	323.8
0.0	22.5°	158.9	171.1	180.2	192.5	213.8	232.2	253.6	271.9	317.7	360.5
0.0	25°	146.6	161.9	174.1	186.3	210.8	235.2	259.7	284.1	360.5	436.8
0.0	27.5°	140.5	152.7	168.0	180.2	210.8	244.4	274.9	305.5	427.7	546.8
0.0	30°	131.4	146.6	158.9	174.1	213.8	253.6	293.3	333.0	519.3	705.7
0.0	32.5°	122.2	137.5	152.7	168.0	219.9	271.9	320.8	372.7	617.1	858.4
0.0	35°	113.0	131.4	146.6	161.9	229.1	299.4	366.6	433.8	705.7	974.5
0.0	37.5°	110.0	128.3	143.6	158.9	232.2	302.4	375.7	446.0	714.8	983.7
0.0	40°	113.0	128.3	146.6	161.9	223.0	284.1	342.1	403.2	684.3	962.3
0.0	42.5°	113.0	131.4	149.7	168.0	216.9	265.8	314.6	363.5	675.1	986.7
0.0	45°	110.0	128.3	146.6	165.0	210.8	253.6	299.4	342.1	730.1	1115.0
0.0	47.5°	106.9	125.2	143.6	161.9	207.7	253.6	299.4	345.2	943.9	1539.6
0.0	50°	106.9	125.2	140.5	155.8	210.8	268.8	323.8	378.8	1374.7	2367.5
0.0	52.5°	113.0	128.3	140.5	152.7	216.9	284.1	348.3	412.4	1747.4	3079.3
0.0	55°	122.2	131.4	143.6	152.7	232.2	308.5	388.0	464.3	1860.4	3256.5
0.0	57.5°	134.4	143.6	152.7	161.9	259.7	357.4	452.1	549.9	1869.6	3186.2
0.0	60°	149.7	161.9	171.1	180.2	284.1	391.0	494.9	598.7	1692.4	2783.0
0.0	62.5°	183.3	198.6	210.8	226.1	326.9	424.6	525.4	623.2	1405.2	2187.3
0.0	65°	210.8	223.0	235.2	247.4	345.2	446.0	543.8	641.5	1191.4	1741.3
0.0	67.5°	216.9	229.1	238.3	250.5	351.3	452.1	549.9	650.7	1020.3	1386.9
	70°	219.9	235.2	253.6	268.8	372.7	476.6	577.4	681.2	904.2	1127.2
	72.5°	210.8	241.3	268.8	296.3	394.1	488.8	586.5	681.2	840.1	998.9
	75°	210.8	253.6	293.3	333.0	406.3	476.6	549.9	620.1	742.3	864.5
	77.5°	223.0	278.0	333.0	388.0	430.7	470.4	513.2	552.9	632.4	711.8
	80°	223.0	281.0	336.0	394.1	412.4	433.8	452.1	470.4	479.6	488.8
	82.5°	192.5	238.3	284.1	329.9	308.5	287.2	265.8	244.4	229.1	210.8
	85°	97.8	106.9	113.0	119.1	110.0	100.8	91.6	82.5	76.4	67.2
	87.5°	39.7	39.7	36.7	36.7	36.7	36.7	33.6	33.6	33.6	33.6
	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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CATALOG NUMBER: GALN-SA9C-835-U-RBC

CANDELA DISTRIBUTION (continued):

272.5°		247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°
177.2	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
229.1	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
238.3	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
247.4	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
259.7	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
271.9	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
296.3	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
326.9	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
375.7	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
479.6	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
650.7	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
904.2	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1225.0	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1530.5	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1738.2	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1894.0	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2049.8	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2355.3	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2966.3	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4521.2	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6925.3	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8718.5	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8917.1	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8046.5	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6879.5	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5376.5	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4062.9	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2999.9	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2123.1											
1579.4											
1148.6											
864.5											
485.7											
219.9											
64.2											
30.5											
0.0											
0.0											
0.0											
0.0											
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REPORT NUMBER: P1049207

CATALOG NUMBER: GALN-SA9C-835-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°	177.2	177.2	177.2	177.2	177.2	177.2	177.2	177.2	177.2	177.2
0.0	2.5°	229.1	226.1	226.1	223.0	219.9	216.9	213.8	210.8	207.7	204.7
0.0	5°	238.3	238.3	238.3	235.2	235.2	232.2	232.2	229.1	226.1	223.0
0.0	7.5°	247.4	250.5	250.5	253.6	253.6	253.6	253.6	250.5	250.5	250.5
0.0	10°	262.7	265.8	268.8	271.9	274.9	278.0	278.0	281.0	281.0	281.0
0.0	12.5°	281.0	290.2	296.3	305.5	311.6	320.8	326.9	336.0	342.1	348.3
0.0	15°	308.5	323.8	342.1	357.4	372.7	394.1	418.5	439.9	461.3	494.9
0.0	17.5°	348.3	397.1	446.0	491.8	540.7	647.6	754.5	858.4	965.3	1121.1
0.0	20°	424.6	571.3	714.8	861.5	1005.0	1380.8	1753.5	2129.2	2501.9	2902.1
0.0	22.5°	595.7	956.2	1316.6	1677.1	2037.6	2822.7	3604.7	4389.8	5171.9	6091.4
0.0	25°	864.5	1527.4	2190.3	2850.2	3513.1	4741.1	5972.2	7200.3	8428.3	9622.8
0.0	27.5°	1258.6	2272.8	3287.0	4298.2	5312.4	6977.3	8645.2	10310.1	11975.0	13325.2
0.0	30°	1744.3	3119.0	4493.7	5868.4	7243.0	9137.0	11031.0	12922.0	14816.0	16291.5
0.0	32.5°	2202.5	3885.8	5569.0	7249.1	8932.4	11089.1	13248.9	15405.6	17562.3	19175.3
0.0	35°	2501.9	4536.4	6574.0	8608.6	10643.1	12977.0	15310.9	17641.7	19975.6	21817.7
0.0	37.5°	2801.3	5150.5	7496.6	9845.8	12191.9	14754.9	17317.9	19880.9	22444.0	24719.8
0.0	40°	3137.3	5892.8	8645.2	11400.7	14153.1	17189.6	20223.1	23259.6	26293.1	29503.7
0.0	42.5°	3720.8	7123.9	10530.1	13933.2	17336.3	21353.4	25370.5	29384.6	33401.7	37984.0
0.0	45°	4817.5	9613.6	14412.8	19208.9	24005.0	29326.5	34651.1	39972.7	45294.2	51391.7
0.0	47.5°	7502.7	14101.2	20696.6	27295.1	33890.5	39636.6	45379.7	51125.9	56869.0	62942.1
0.0	50°	11480.1	19160.0	26839.9	34516.7	42196.6	47395.9	52592.2	57791.6	62987.9	68764.6
0.0	52.5°	14357.8	22358.4	30362.1	38362.8	46363.4	51055.6	55750.9	60443.2	65135.4	70533.3
0.0	55°	14574.7	22529.5	30487.4	38442.2	46397.0	51110.6	55824.3	60537.9	65251.5	70973.2
0.0	57.5°	12903.7	20794.3	28682.0	36572.6	44460.2	49827.6	55191.9	60559.3	65923.6	72109.6
0.0	60°	10976.1	18869.8	26760.5	34654.2	42544.8	48727.9	54913.9	61096.9	67279.9	73075.0
0.0	62.5°	8562.7	16682.5	24805.4	32925.1	41044.9	47322.6	53600.3	59875.0	66152.7	70499.7
0.0	65°	6381.6	14266.1	22150.7	30032.2	37916.8	42945.0	47973.3	52998.5	58026.8	60718.1
0.0	67.5°	4612.8	11412.9	18209.9	25010.0	31807.1	35405.7	39004.3	42599.8	46198.4	48257.4
	70°	3119.0	7829.6	12537.1	17247.7	21955.2	24912.3	27872.4	30829.5	33786.6	36566.5
	72.5°	2159.8	4805.3	7453.8	10099.3	12744.8	15720.2	18692.6	21668.0	24640.4	27582.2
	75°	1432.7	2636.3	3843.0	5046.6	6250.2	8452.8	10658.4	12860.9	15063.4	16816.9
	77.5°	1017.3	1377.7	1741.3	2101.7	2462.2	2874.6	3290.1	3702.5	4114.9	4741.1
	80°	482.7	528.5	574.3	617.1	662.9	812.6	962.3	1112.0	1261.7	1420.5
	82.5°	229.1	247.4	265.8	281.0	299.4	314.6	329.9	345.2	360.5	345.2
	85°	61.1	61.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2	61.1
	87.5°	27.5	27.5	27.5	27.5	27.5	27.5	27.5	24.4	24.4	21.4
	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: P1049207

CATALOG NUMBER: GALN-SA9C-835-U-RBC

CANDELA DISTRIBUTION (continued):

300°		275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°
177.2	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
201.6	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
219.9	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
247.4	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
284.1	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
351.3	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
531.5	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1273.9	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3305.3	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7010.9	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10817.2	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14675.5	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17770.0	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20791.3	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23659.8	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26998.7	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32714.3	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42566.2	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57489.2	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
69015.1	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
74541.3	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75931.3	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
76698.0	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
78295.7	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
78867.0	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
74849.8	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
63412.5	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50319.4	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39343.4											
30524.0											
18570.4											
5367.4											
1579.4											
326.9											
58.0											
21.4											
0.0											
0.0											
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REPORT NUMBER: P1049207

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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°	177.2	177.2	177.2	177.2	177.2	177.2	177.2	177.2	177.2
0.0	2.5°	198.6	195.5	192.5	189.4	186.3	180.2	180.2	177.2	177.2
0.0	5°	216.9	213.8	210.8	207.7	207.7	204.7	201.6	201.6	198.6
0.0	7.5°	247.4	244.4	241.3	238.3	238.3	235.2	235.2	232.2	232.2
0.0	10°	284.1	284.1	284.1	284.1	284.1	281.0	281.0	281.0	278.0
0.0	12.5°	357.4	360.5	366.6	372.7	381.9	381.9	381.9	378.8	378.8
0.0	15°	565.1	598.7	623.2	647.6	669.0	717.9	711.8	702.6	696.5
0.0	17.5°	1429.7	1582.4	1664.9	1744.3	1826.8	2052.9	2016.2	1979.5	1945.9
0.0	20°	3705.5	4105.7	4371.5	4637.3	4906.1	5330.7	5226.8	5123.0	5019.1
0.0	22.5°	7927.3	8846.8	9247.0	9647.2	10044.3	10557.5	10224.6	9891.6	9561.7
0.0	25°	12008.6	13203.0	13878.2	14553.3	15225.4	15518.6	15084.8	14648.0	14214.2
0.0	27.5°	16025.7	17376.0	17971.7	18564.3	19160.0	19774.0	19236.4	18695.7	18158.0
0.0	30°	19245.5	20721.0	21365.6	22007.1	22651.7	23079.4	22523.4	21964.3	21408.4
0.0	32.5°	22404.2	24017.2	24722.9	25428.5	26131.2	26745.2	26060.9	25373.6	24689.3
0.0	35°	25498.8	27340.9	28312.3	29283.8	30255.2	30826.5	30013.9	29198.2	28385.6
0.0	37.5°	29274.6	31550.5	32638.0	33725.5	34813.0	35854.7	34959.7	34061.5	33166.5
0.0	40°	35925.0	39135.6	40803.6	42474.6	44142.5	45486.7	44356.4	43226.1	42095.8
0.0	42.5°	47148.5	51730.8	54128.8	56523.8	58921.9	61020.6	59832.2	58643.9	57455.5
0.0	45°	63586.6	69684.1	72607.6	75528.0	78451.5	79985.0	78274.3	76560.6	74849.8
0.0	47.5°	75085.1	81158.1	83760.8	86363.6	88966.3	90716.7	88624.1	86531.6	84442.1
0.0	50°	80315.0	86091.7	88703.6	91312.4	93924.3	95314.3	92897.9	90478.4	88062.1
0.0	52.5°	81326.1	86724.0	89840.0	92959.0	96074.9	97932.3	95079.0	92222.8	89369.5
0.0	55°	82419.7	88141.5	91755.4	95372.3	98986.2	101558.4	98332.4	95103.5	91877.6
0.0	57.5°	84478.7	90664.8	94269.5	97871.2	101475.9	103660.1	100425.0	97186.9	93951.8
0.0	60°	84662.0	90454.0	93551.6	96652.3	99749.9	101124.6	98030.0	94932.4	91837.8
0.0	62.5°	79196.9	83543.9	85694.5	87845.2	89995.8	91489.6	88260.6	85028.6	81799.6
0.0	65°	66103.8	68795.1	70508.9	72222.7	73936.4	75717.4	72760.3	69803.2	66846.1
0.0	67.5°	52378.4	54437.4	56694.9	58952.4	61210.0	63113.1	60745.6	58375.1	56007.5
	70°	42123.3	44900.1	47438.7	49977.3	52515.9	54073.8	51697.2	49317.4	46940.8
	72.5°	33465.8	36407.7	38527.7	40644.7	42764.8	43146.6	41399.3	39651.9	37907.6
	75°	20320.8	22074.3	22117.1	22156.8	22199.6	22563.1	21115.1	19667.1	18222.2
	77.5°	5993.6	6619.9	7136.1	7649.3	8165.6	8788.8	8257.2	7722.7	7191.1
	80°	1735.2	1894.0	2028.4	2159.8	2294.2	2214.8	2089.5	1964.3	1839.0
	82.5°	311.6	293.3	290.2	287.2	287.2	271.9	247.4	223.0	198.6
	85°	55.0	51.9	48.9	45.8	42.8	39.7	33.6	30.5	24.4
	87.5°	18.3	15.3	12.2	9.2	9.2	3.1	3.1	3.1	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):

325°	327.5°		302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°
177.2	177.2	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
174.1	174.1	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
195.5	195.5	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
229.1	226.1	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
278.0	274.9	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
375.7	366.6	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
687.3	653.7	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1909.3	1747.4	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4915.2	4475.3	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9228.7	8413.0	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13777.4	12750.9	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17620.4	16438.1	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20852.4	19581.6	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24005.0	22483.7	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27573.0	25798.2	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32268.3	30087.2	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40965.5	38155.0	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
56267.2	52470.0	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
73139.1	68428.6	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82349.5	77263.2	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85645.7	80467.7	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
86513.2	81231.4	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88648.6	82981.8	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90716.7	84906.4	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88743.3	83684.5	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
78567.6	74541.3	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
63889.1	60950.3	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
53640.0	50328.6	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44561.0	40956.3										
36160.2	32912.9										
16774.2	15475.9										
6659.6	5957.0										
1713.8	1536.6										
174.1	165.0										
18.3	15.3										
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										
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0.0	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-SA9C-835-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°	177.2	177.2	177.2	177.2	177.2	177.2	177.2	177.2	177.2
0.0	0.0	2.5°	174.1	171.1	171.1	171.1	171.1	168.0	168.0	168.0	168.0
0.0	0.0	5°	192.5	192.5	189.4	189.4	186.3	186.3	183.3	183.3	180.2
0.0	0.0	7.5°	226.1	223.0	219.9	216.9	213.8	207.7	204.7	201.6	201.6
0.0	0.0	10°	271.9	265.8	262.7	256.6	253.6	247.4	241.3	235.2	229.1
0.0	0.0	12.5°	357.4	345.2	336.0	323.8	311.6	302.4	290.2	281.0	268.8
0.0	0.0	15°	620.1	589.6	556.0	516.3	473.5	433.8	391.0	366.6	339.1
0.0	0.0	17.5°	1585.5	1426.6	1264.7	1133.3	1002.0	873.7	742.3	647.6	552.9
0.0	0.0	20°	4035.5	3595.6	3155.7	2721.9	2285.0	1851.2	1414.4	1194.4	974.5
0.0	0.0	22.5°	7594.3	6778.7	5960.0	5168.8	4374.5	3583.3	2792.1	2294.2	1799.3
0.0	0.0	25°	11721.4	10695.0	9668.6	8367.2	7062.8	5761.4	4460.1	3650.5	2841.0
0.0	0.0	27.5°	15252.8	14070.6	12888.4	11306.0	9723.6	8141.2	6558.8	5352.1	4148.5
0.0	0.0	30°	18310.7	17039.9	15769.1	13927.0	12085.0	10242.9	8400.8	6891.7	5382.6
0.0	0.0	32.5°	20962.4	19441.0	17919.7	16019.6	14119.5	12219.4	10319.3	8468.0	6616.8
0.0	0.0	35°	24020.3	22245.4	20467.5	18359.6	16248.7	14140.9	12033.0	9943.5	7851.0
0.0	0.0	37.5°	27906.0	25727.9	23546.8	21197.6	18848.4	16502.3	14153.1	11764.2	9375.3
0.0	0.0	40°	35344.6	32534.1	29723.7	26739.1	23751.4	20766.8	17782.3	14849.6	11917.0
0.0	0.0	42.5°	48672.9	44875.7	41078.5	37107.2	33132.9	29161.6	25187.2	21050.9	16911.6
0.0	0.0	45°	63714.9	59004.4	54290.7	49833.7	45373.6	40916.6	36459.6	30783.7	25107.8
0.0	0.0	47.5°	72173.8	67087.5	62001.2	57782.4	53563.7	49344.9	45126.2	39007.3	32888.5
0.0	0.0	50°	75286.7	70108.7	64930.8	61048.0	57162.3	53279.6	49393.8	43265.8	37134.7
0.0	0.0	52.5°	75949.6	70667.8	65385.9	61478.8	57571.6	53667.5	49760.4	43672.1	37583.8
0.0	0.0	55°	77312.0	71645.3	65975.5	61521.5	57067.6	52613.6	48159.6	41973.6	35787.5
0.0	0.0	57.5°	79093.0	73282.7	67472.4	62398.3	57324.2	52253.1	47179.0	40415.6	33652.2
0.0	0.0	60°	78625.6	73569.9	68511.0	63076.5	57638.8	52204.3	46766.6	39328.1	31886.5
0.0	0.0	62.5°	70512.0	66485.7	62456.3	57987.1	53514.8	49045.6	44576.3	36917.8	29259.3
0.0	0.0	65°	58008.5	55069.7	52130.9	48535.4	44936.8	41341.2	37745.7	30878.4	24014.1
0.0	0.0	67.5°	47014.1	43702.6	40388.1	37522.7	34654.2	31788.7	28920.2	23516.2	18112.2
		70°	37351.6	33749.9	30145.2	27347.0	24545.7	21747.4	18949.2	15356.7	11767.3
		72.5°	29662.6	26415.3	23168.0	20183.4	17195.7	14211.1	11223.5	9100.4	6977.3
		75°	14177.5	12879.2	11580.9	10019.9	8458.9	6897.8	5336.8	4411.2	3488.6
		77.5°	5254.3	4554.8	3852.2	3216.8	2581.3	1949.0	1313.6	1203.6	1093.6
		80°	1359.4	1185.3	1008.1	882.9	754.5	629.3	504.0	455.2	409.3
		82.5°	155.8	143.6	134.4	128.3	119.1	113.0	103.9	94.7	85.5
		85°	9.2	6.1	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):

[illegible]

REPORT NUMBER: P1049207

CATALOG NUMBER: GALN-SA9C-835-U-RBC

CANDELA DISTRIBUTION (continued):

352.5°	355°		357.5°	360°
0.0	0.0	0°	177.2	177.2
0.0	0.0	2.5°	165.0	161.9
0.0	0.0	5°	174.1	171.1
0.0	0.0	7.5°	192.5	186.3
0.0	0.0	10°	210.8	204.7
0.0	0.0	12.5°	238.3	229.1
0.0	0.0	15°	268.8	250.5
0.0	0.0	17.5°	320.8	281.0
0.0	0.0	20°	433.8	333.0
0.0	0.0	22.5°	611.0	415.5
0.0	0.0	25°	898.1	574.3
0.0	0.0	27.5°	1249.4	763.7
0.0	0.0	30°	1661.8	956.2
0.0	0.0	32.5°	2025.4	1139.5
0.0	0.0	35°	2498.9	1325.8
0.0	0.0	37.5°	3082.3	1564.1
0.0	0.0	40°	3986.6	1924.6
0.0	0.0	42.5°	5614.8	2590.5
0.0	0.0	45°	9118.7	4478.4
0.0	0.0	47.5°	14030.9	7408.0
0.0	0.0	50°	17165.2	9454.7
0.0	0.0	52.5°	17421.8	9439.5
0.0	0.0	55°	15903.5	8391.7
0.0	0.0	57.5°	13569.6	7013.9
0.0	0.0	60°	11278.5	5547.6
0.0	0.0	62.5°	8886.5	3830.8
0.0	0.0	65°	6494.6	2709.6
0.0	0.0	67.5°	4664.8	2025.4
		70°	3067.1	1551.9
		72.5°	1997.9	1264.7
		75°	1344.1	1047.8
		77.5°	785.1	696.5
		80°	278.0	244.4
		82.5°	51.9	36.7
		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: P1049207

CATALOG NUMBER: GALN-SA9C-835-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: SP1-2407-184-10

Test Date: 10/11/2024

Luminaire Tested: GSS-SB1A-835-U-5WQ

Data in this report applies to families of products including GSS-SB1A-835-U-5WQ

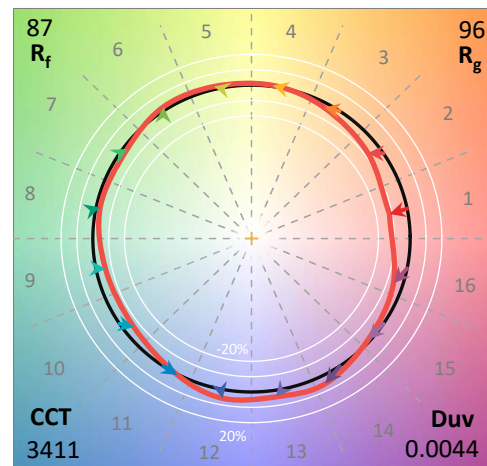
Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-10
 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-835-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI 3500K CCT 26 LEDS

Spectral Parameters

CCT (K): 3411
 CIE u' : 0.2360
 CIE v' : 0.5189
 Duv: 0.0044
 CIE x: 0.4154
 CIE y: 0.4059
 CIE z: 0.1787
 Peak Wavelength (nm): 601
 Dominant Wavelength (nm): 579
 Purity: 46.51914
 R_f: 86.6
 R_g: 95.9

CRI (Ra): 83.5
 R1: 81.1
 R2: 88.9
 R3: 97.2
 R4: 83.8
 R5: 81.7
 R6: 86.9
 R7: 86.1
 R8: 62.2
 R9: 6.3
 R10: 75.4
 R11: 84.1
 R12: 69.7
 R13: 82.8
 R14: 98.5
 R15: 72.6



Test Conditions

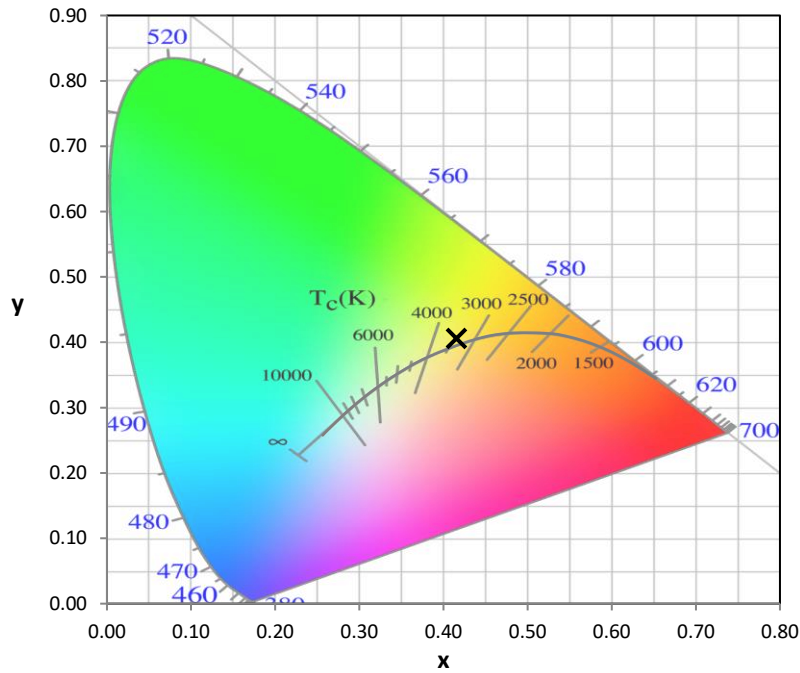
Stabilization Time: 35M
 Operation Time: 1H 35M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-10

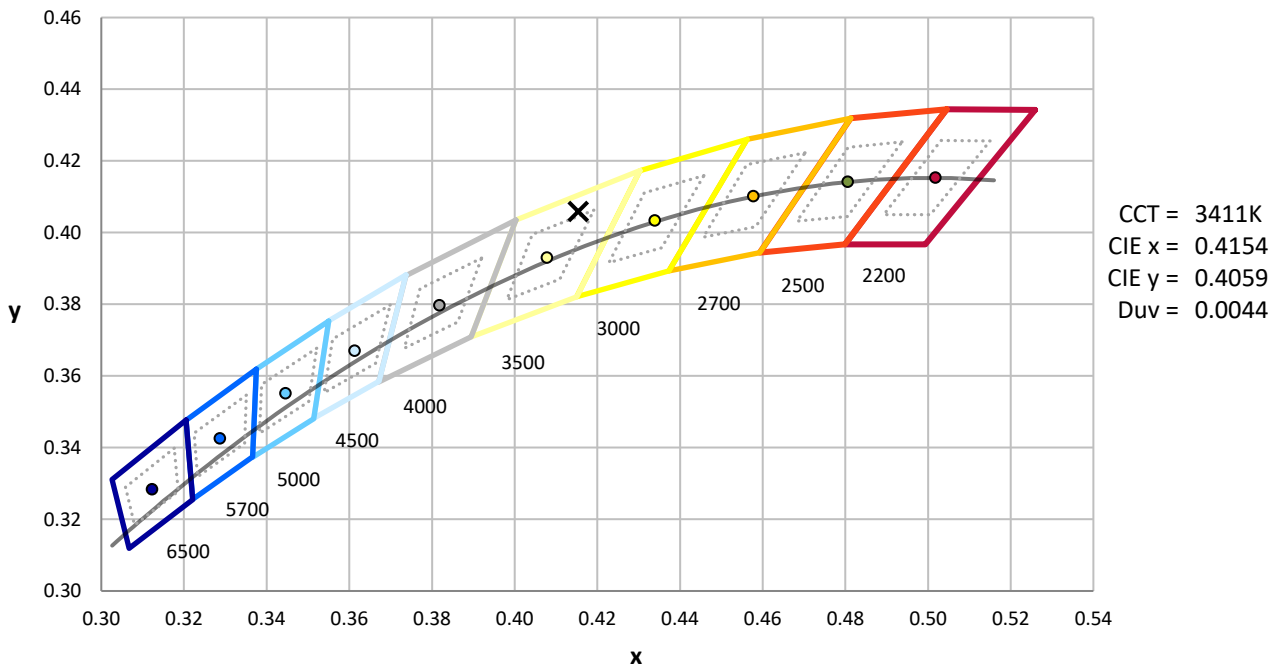
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-10

CIE 1931 Chromaticity Diagram

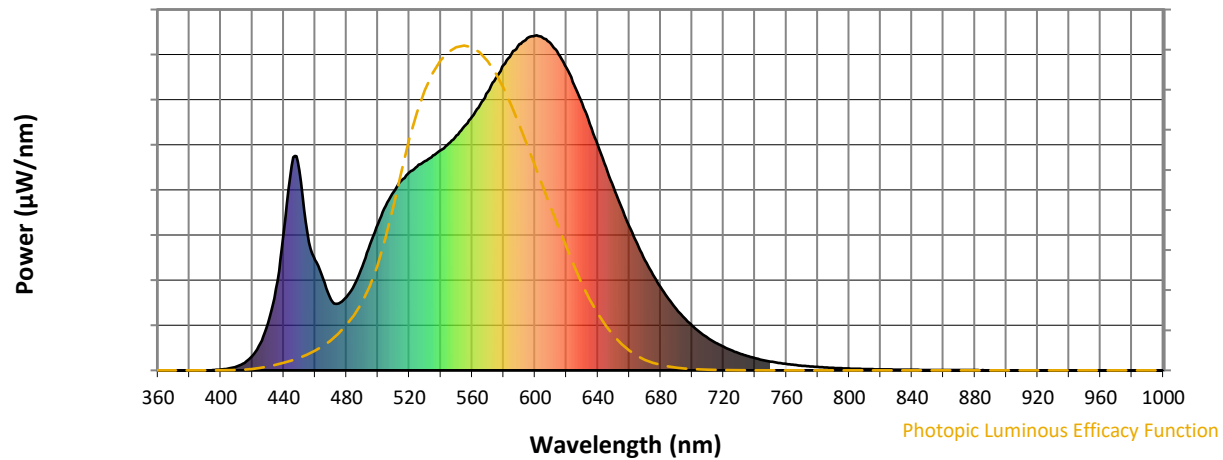


CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3500K 7-step quadrangle

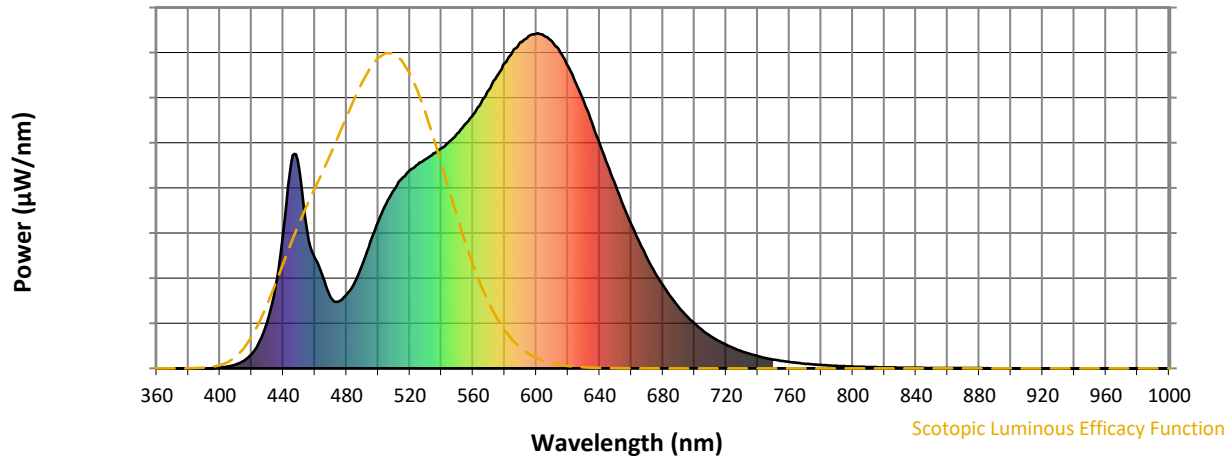
REPORT NUMBER: SP1-2407-184-10

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	311	NR	620	903	NR	750	26	NR	880	1	NR
365	0	NR	495	376	NR	625	851	NR	755	22	NR	885	1	NR
370	0	NR	500	438	NR	630	797	NR	760	19	NR	890	0	NR
375	0	NR	505	491	NR	635	735	NR	765	16	NR	895	0	NR
380	0	NR	510	533	NR	640	672	NR	770	14	NR	900	0	NR
385	0	NR	515	566	NR	645	607	NR	775	12	NR	905	0	NR
390	0	NR	520	592	NR	650	546	NR	780	10	NR	910	0	NR
395	1	NR	525	608	NR	655	487	NR	785	9	NR	915	0	NR
400	3	NR	530	625	NR	660	429	NR	790	7	NR	920	0	NR
405	6	NR	535	642	NR	665	378	NR	795	6	NR	925	0	NR
410	12	NR	540	657	NR	670	329	NR	800	5	NR	930	0	NR
415	22	NR	545	677	NR	675	286	NR	805	5	NR	935	0	NR
420	43	NR	550	701	NR	680	248	NR	810	4	NR	940	0	NR
425	80	NR	555	728	NR	685	213	NR	815	3	NR	945	0	NR
430	140	NR	560	757	NR	690	184	NR	820	3	NR	950	0	NR
435	243	NR	565	793	NR	695	156	NR	825	3	NR	955	0	NR
440	412	NR	570	831	NR	700	134	NR	830	2	NR	960	0	NR
445	610	NR	575	872	NR	705	114	NR	835	2	NR	965	0	NR
450	597	NR	580	911	NR	710	97	NR	840	2	NR	970	0	NR
455	412	NR	585	944	NR	715	83	NR	845	1	NR	975	0	NR
460	330	NR	590	974	NR	720	70	NR	850	1	NR	980	0	NR
465	274	NR	595	992	NR	725	60	NR	855	1	NR	985	0	NR
470	211	NR	600	999	NR	730	51	NR	860	1	NR	990	0	NR
475	200	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	220	NR	610	975	NR	740	36	NR	870	1	NR	1000	0	NR
485	255	NR	615	944	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-10

Scotopic Flux vs. Wavelength



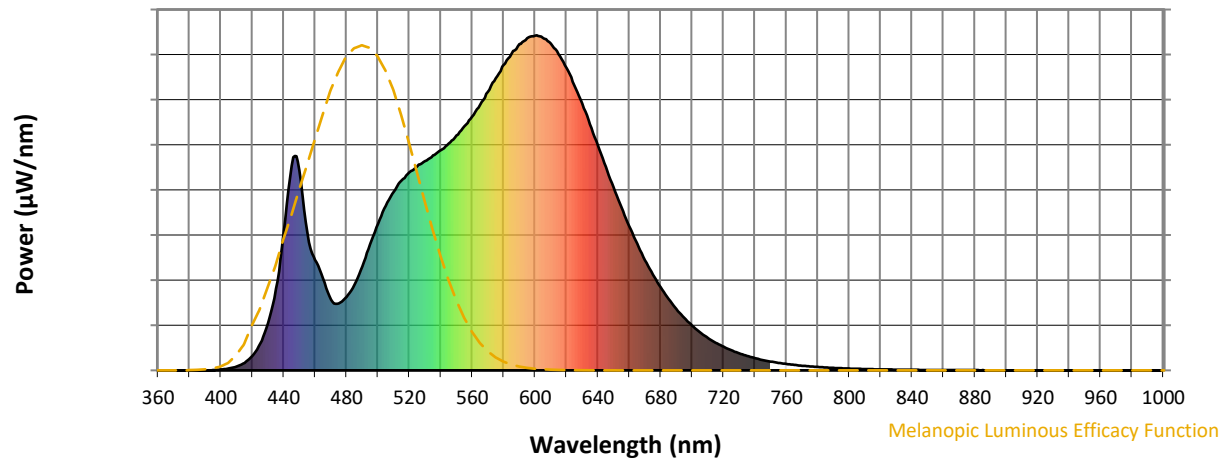
Scotopic Lumens: NR

S/P: 1.48

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	311	NR	620	903	NR	750	26	NR	880	1	NR
365	0	NR	495	376	NR	625	851	NR	755	22	NR	885	1	NR
370	0	NR	500	438	NR	630	797	NR	760	19	NR	890	0	NR
375	0	NR	505	491	NR	635	735	NR	765	16	NR	895	0	NR
380	0	NR	510	533	NR	640	672	NR	770	14	NR	900	0	NR
385	0	NR	515	566	NR	645	607	NR	775	12	NR	905	0	NR
390	0	NR	520	592	NR	650	546	NR	780	10	NR	910	0	NR
395	1	NR	525	608	NR	655	487	NR	785	9	NR	915	0	NR
400	3	NR	530	625	NR	660	429	NR	790	7	NR	920	0	NR
405	6	NR	535	642	NR	665	378	NR	795	6	NR	925	0	NR
410	12	NR	540	657	NR	670	329	NR	800	5	NR	930	0	NR
415	22	NR	545	677	NR	675	286	NR	805	5	NR	935	0	NR
420	43	NR	550	701	NR	680	248	NR	810	4	NR	940	0	NR
425	80	NR	555	728	NR	685	213	NR	815	3	NR	945	0	NR
430	140	NR	560	757	NR	690	184	NR	820	3	NR	950	0	NR
435	243	NR	565	793	NR	695	156	NR	825	3	NR	955	0	NR
440	412	NR	570	831	NR	700	134	NR	830	2	NR	960	0	NR
445	610	NR	575	872	NR	705	114	NR	835	2	NR	965	0	NR
450	597	NR	580	911	NR	710	97	NR	840	2	NR	970	0	NR
455	412	NR	585	944	NR	715	83	NR	845	1	NR	975	0	NR
460	330	NR	590	974	NR	720	70	NR	850	1	NR	980	0	NR
465	274	NR	595	992	NR	725	60	NR	855	1	NR	985	0	NR
470	211	NR	600	999	NR	730	51	NR	860	1	NR	990	0	NR
475	200	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	220	NR	610	975	NR	740	36	NR	870	1	NR	1000	0	NR
485	255	NR	615	944	NR	745	31	NR	875	1	NR			

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Melanopic Flux vs. Wavelength


Melanopic Lumens: NR
M/P: 2.88

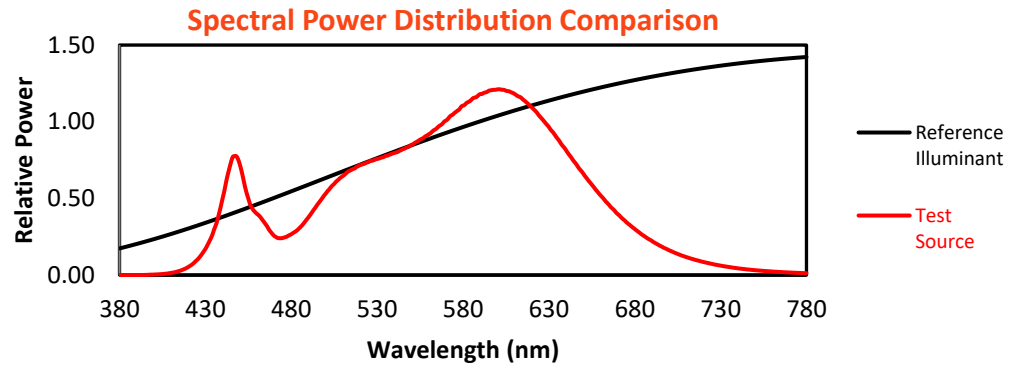
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	311	NR	620	903	NR	750	26	NR	880	1	NR
365	0	NR	495	376	NR	625	851	NR	755	22	NR	885	1	NR
370	0	NR	500	438	NR	630	797	NR	760	19	NR	890	0	NR
375	0	NR	505	491	NR	635	735	NR	765	16	NR	895	0	NR
380	0	NR	510	533	NR	640	672	NR	770	14	NR	900	0	NR
385	0	NR	515	566	NR	645	607	NR	775	12	NR	905	0	NR
390	0	NR	520	592	NR	650	546	NR	780	10	NR	910	0	NR
395	1	NR	525	608	NR	655	487	NR	785	9	NR	915	0	NR
400	3	NR	530	625	NR	660	429	NR	790	7	NR	920	0	NR
405	6	NR	535	642	NR	665	378	NR	795	6	NR	925	0	NR
410	12	NR	540	657	NR	670	329	NR	800	5	NR	930	0	NR
415	22	NR	545	677	NR	675	286	NR	805	5	NR	935	0	NR
420	43	NR	550	701	NR	680	248	NR	810	4	NR	940	0	NR
425	80	NR	555	728	NR	685	213	NR	815	3	NR	945	0	NR
430	140	NR	560	757	NR	690	184	NR	820	3	NR	950	0	NR
435	243	NR	565	793	NR	695	156	NR	825	3	NR	955	0	NR
440	412	NR	570	831	NR	700	134	NR	830	2	NR	960	0	NR
445	610	NR	575	872	NR	705	114	NR	835	2	NR	965	0	NR
450	597	NR	580	911	NR	710	97	NR	840	2	NR	970	0	NR
455	412	NR	585	944	NR	715	83	NR	845	1	NR	975	0	NR
460	330	NR	590	974	NR	720	70	NR	850	1	NR	980	0	NR
465	274	NR	595	992	NR	725	60	NR	855	1	NR	985	0	NR
470	211	NR	600	999	NR	730	51	NR	860	1	NR	990	0	NR
475	200	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	220	NR	610	975	NR	740	36	NR	870	1	NR	1000	0	NR
485	255	NR	615	944	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-10

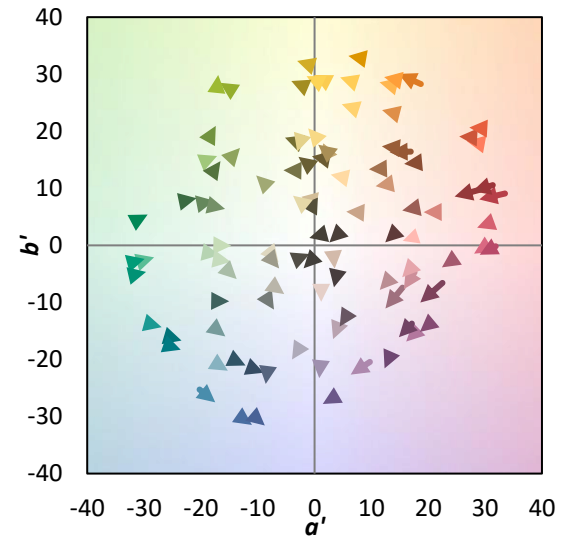
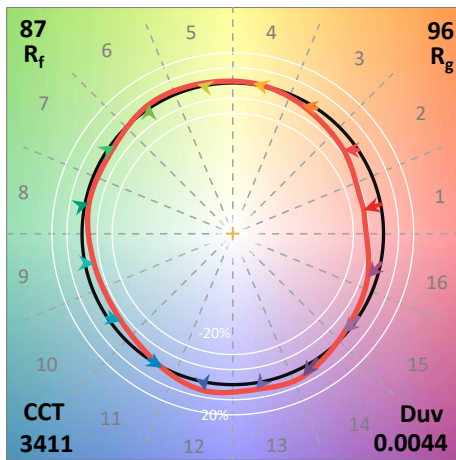
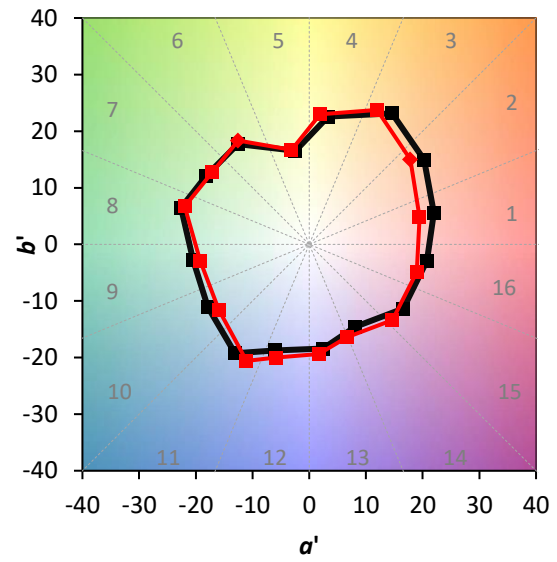
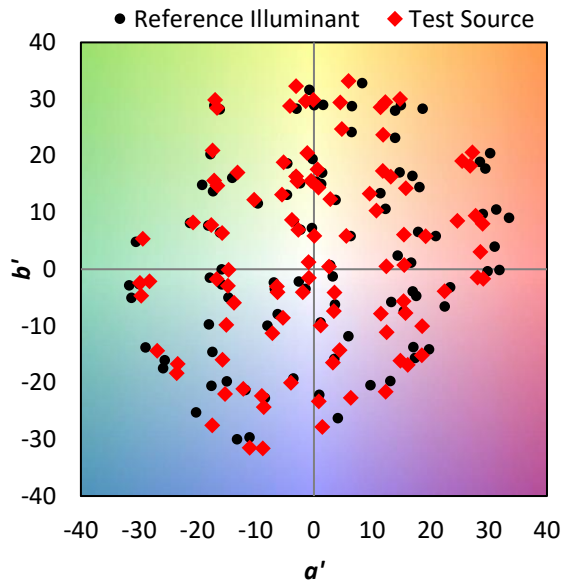
TM-30-18

Summary

$R_f = 86.6$
 $R_g = 95.9$
 $CIE R_a = 83.5$
 $R_9 = 6.3$

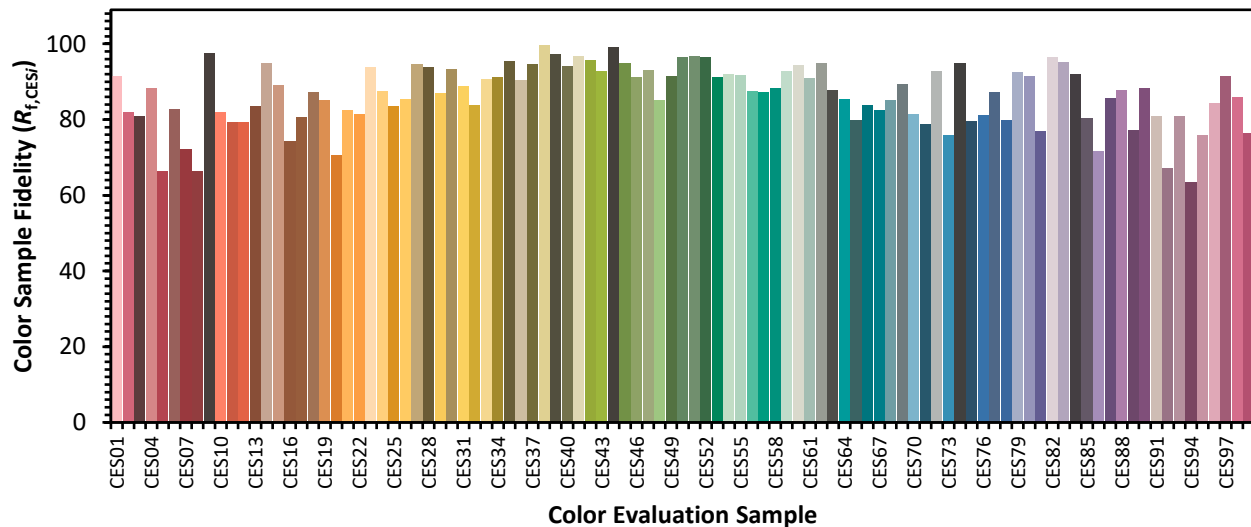


Color Vector Graphics

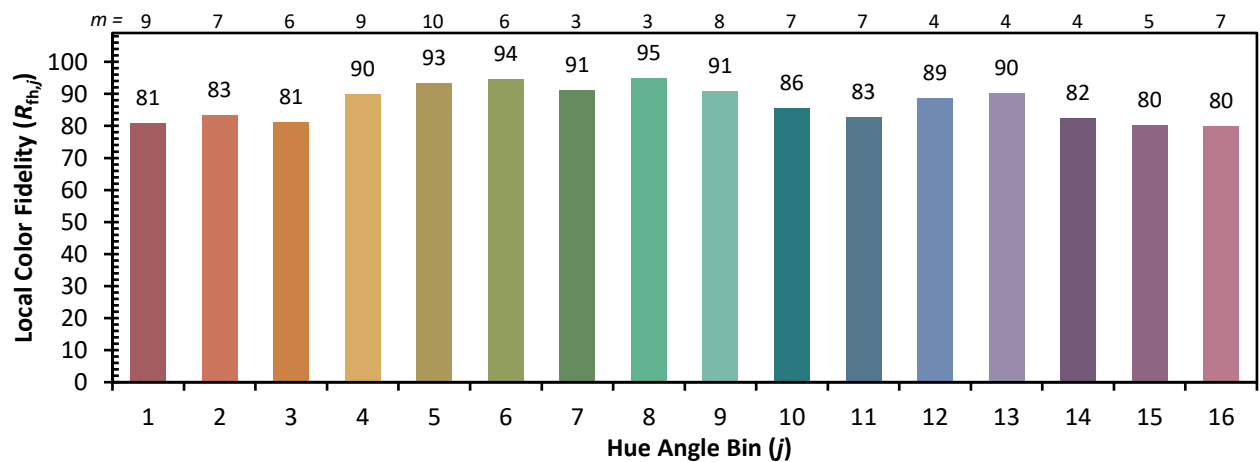
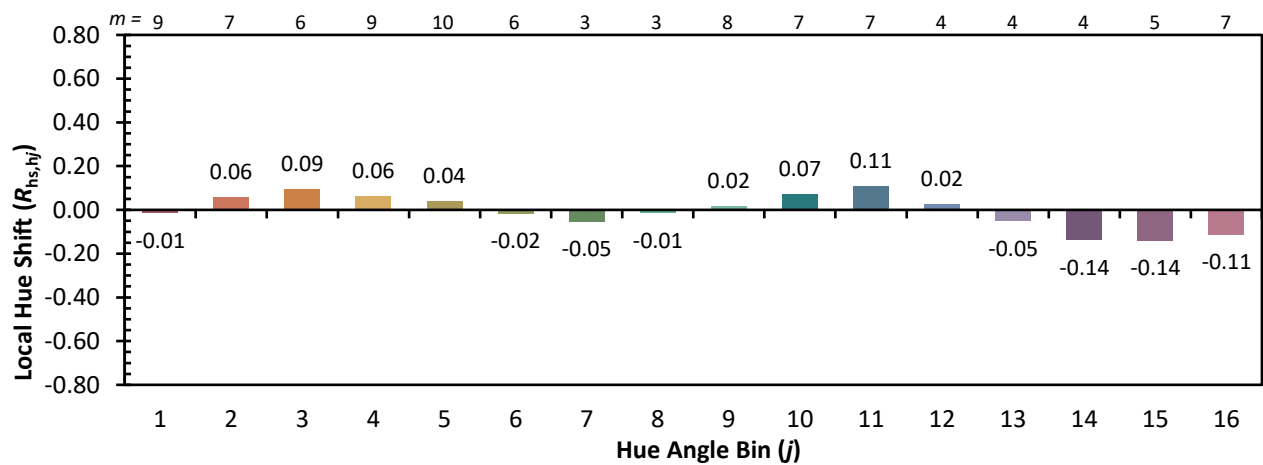
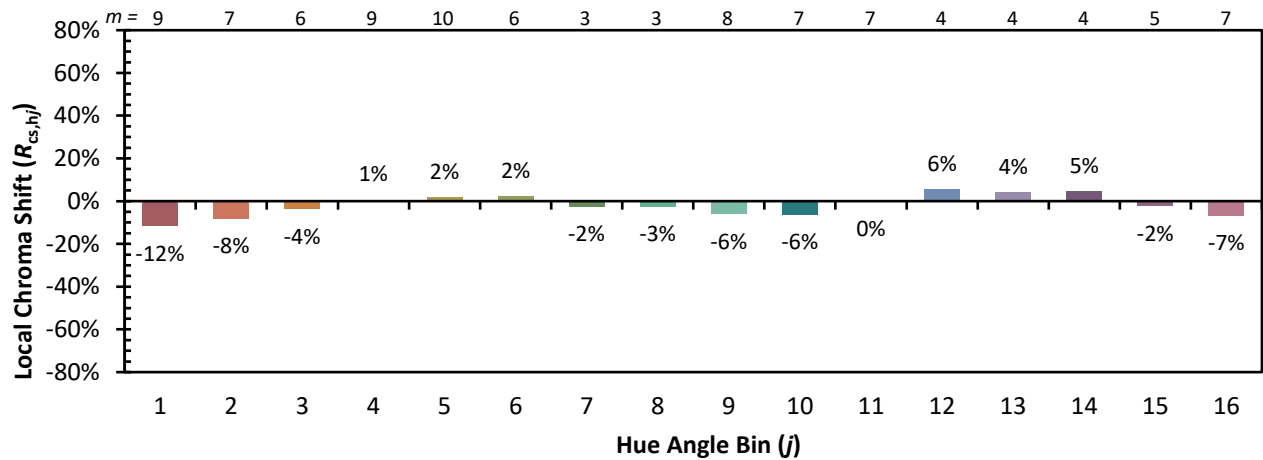


Individual Sample Fidelity Index ($R_{f,i}$)

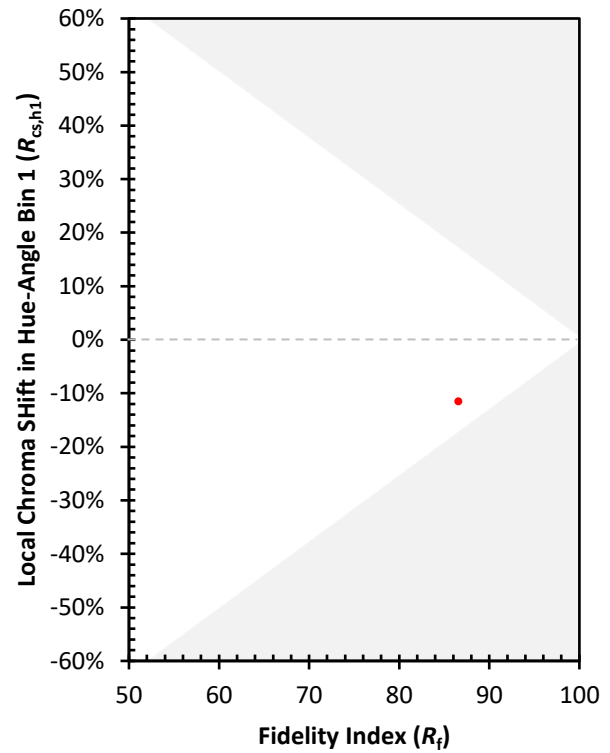
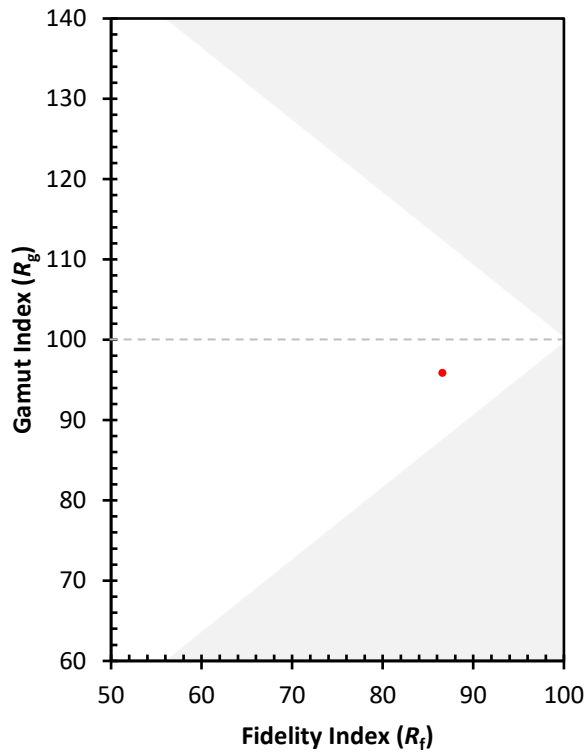
CES01 = 86	CES26 = 85	CES51 = 97	CES76 = 81
CES02 = 62	CES27 = 95	CES52 = 96	CES77 = 87
CES03 = 31	CES28 = 94	CES53 = 91	CES78 = 80
CES04 = 70	CES29 = 87	CES54 = 92	CES79 = 93
CES05 = 49	CES30 = 93	CES55 = 92	CES80 = 91
CES06 = 51	CES31 = 89	CES56 = 88	CES81 = 77
CES07 = 41	CES32 = 84	CES57 = 87	CES82 = 96
CES08 = 40	CES33 = 91	CES58 = 88	CES83 = 95
CES09 = 29	CES34 = 91	CES59 = 93	CES84 = 92
CES10 = 75	CES35 = 95	CES60 = 94	CES85 = 80
CES11 = 58	CES36 = 90	CES61 = 91	CES86 = 72
CES12 = 64	CES37 = 95	CES62 = 95	CES87 = 86
CES13 = 43	CES38 = 100	CES63 = 88	CES88 = 88
CES14 = 74	CES39 = 97	CES64 = 85	CES89 = 77
CES15 = 71	CES40 = 94	CES65 = 80	CES90 = 88
CES16 = 47	CES41 = 97	CES66 = 84	CES91 = 81
CES17 = 49	CES42 = 96	CES67 = 82	CES92 = 67
CES18 = 56	CES43 = 93	CES68 = 85	CES93 = 81
CES19 = 72	CES44 = 99	CES69 = 89	CES94 = 63
CES20 = 66	CES45 = 95	CES70 = 81	CES95 = 76
CES21 = 86	CES46 = 91	CES71 = 79	CES96 = 84
CES22 = 78	CES47 = 93	CES72 = 93	CES97 = 92
CES23 = 91	CES48 = 85	CES73 = 76	CES98 = 86
CES24 = 90	CES49 = 92	CES74 = 95	CES99 = 77
CES25 = 72	CES50 = 96	CES75 = 80	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)