

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: P1049149

Luminaire Tested: **GALN-SA4A-830-U-RBC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1049149
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA4A-830-U-RBC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 615mA 4xLight Square PACKAGE
80CRI 3000K FIXTURE w/ RIGHT CORNER BACKLIGHT CONTROL
Light Source: (56) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11945.1 lumens
Efficiency: N/A
Efficacy: 111.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G2

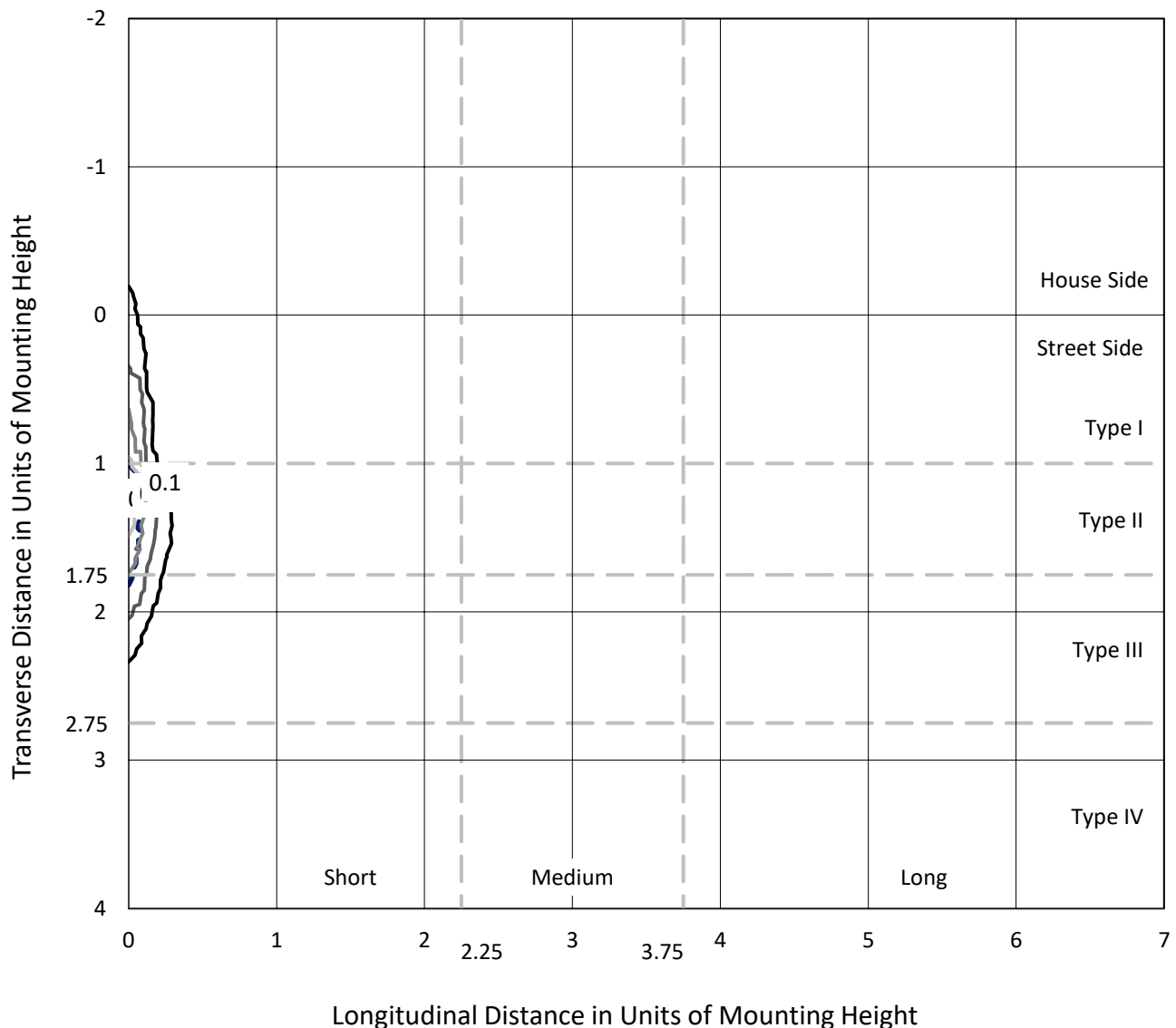
Input Watts (W): 107.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

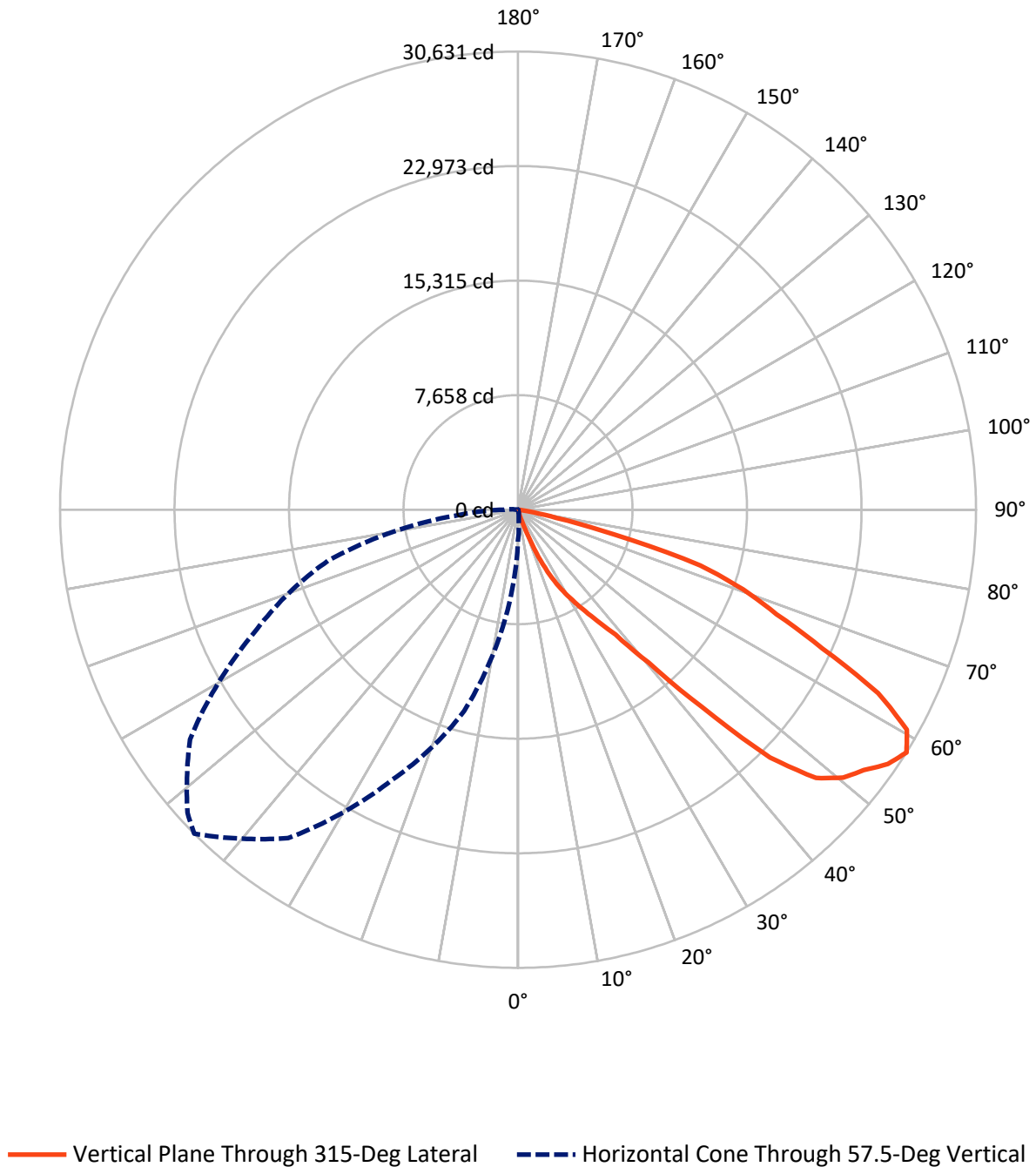


Based on 20 foot mounting height. Maximum calculated value = 1.8 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	59.8	0.0	59.8
	% Fixture	0.5	0.0	0.5
Street Side	Lumens	11885.3	0.0	11885.3
	% Fixture	99.5	0.0	99.5
Total	Lumens	11945.1	0.0	11945.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.7	0.0
10°-20°	26.2	0.2
20°-30°	283.1	2.4
30°-40°	837.1	7.0
40°-50°	2494.9	20.9
50°-60°	3955.9	33.1
60°-70°	3302.2	27.6
70°-80°	1018.3	8.5
80°-90°	22.6	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°	11945.1	100.0
0°-180°	11945.1	100.0

Coefficient of Utilization



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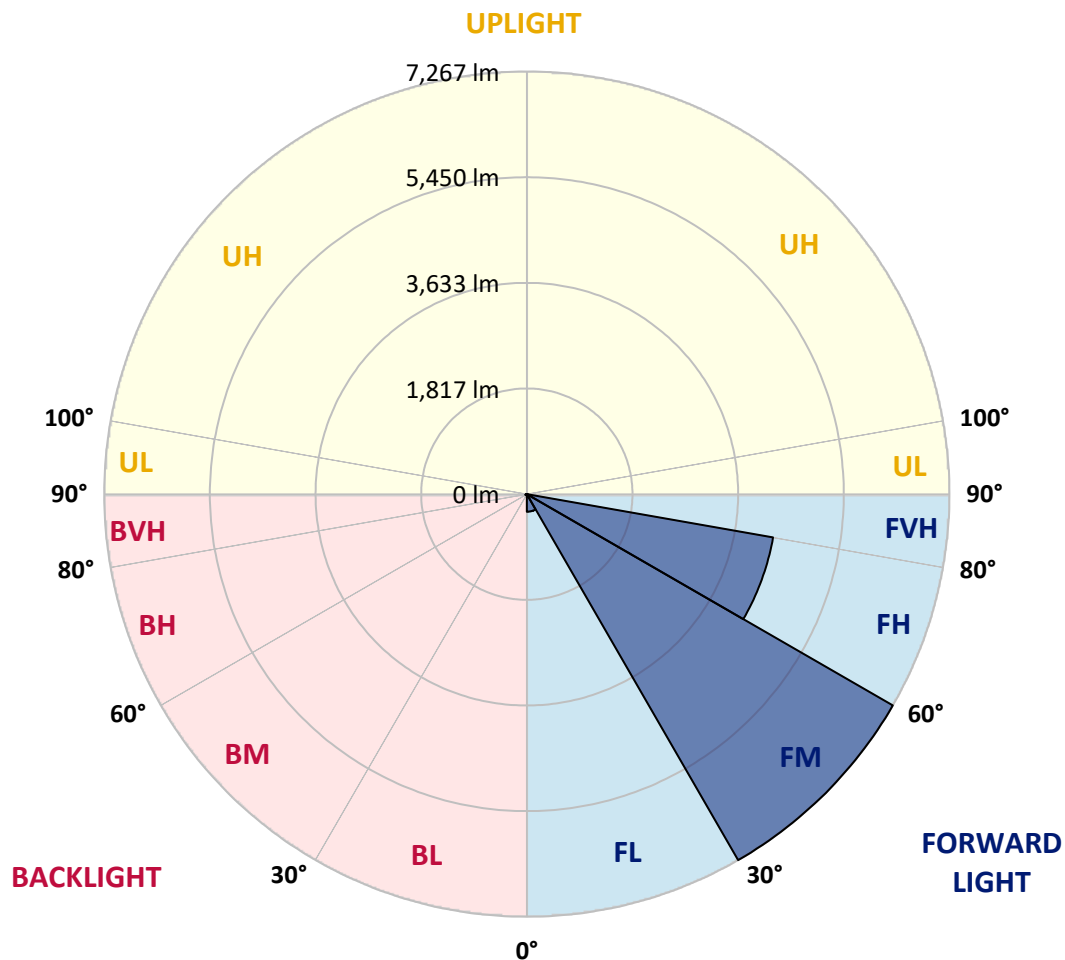
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	303.0	2.5			
FM	(30°-60°)	7266.5	60.8			
FH	(60°-80°)	4298.2	36.0			G2/5000
FVH	(80°-90°)	17.5	0.1			G1/100
BL	(0°-30°)	11.0	0.1	B0/110		
BM	(30°-60°)	21.4	0.2	B0/220		
BH	(60°-80°)	22.3	0.2	B0/110		G0/110
BVH	(80°-90°)	5.1	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G2

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°
0°	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
2.5°	47.8	47.8	47.8	47.8	46.9	46.9	46.0	46.0	45.1	45.1
5°	50.6	50.6	49.6	48.7	48.7	47.8	46.9	46.0	46.0	45.1
7.5°	55.1	54.2	53.3	52.4	50.6	49.6	47.8	46.9	46.0	44.2
10°	60.5	58.7	56.9	55.1	53.3	51.5	49.6	48.7	46.9	46.0
12.5°	67.7	65.0	61.4	58.7	56.9	54.2	52.4	50.6	47.8	46.0
15°	74.0	70.4	65.9	62.3	59.6	56.0	53.3	50.6	48.7	46.0
17.5°	83.0	76.7	69.5	65.0	61.4	56.9	52.4	49.6	46.9	43.3
20°	98.4	85.8	72.2	66.8	61.4	56.0	50.6	46.9	44.2	40.6
22.5°	122.8	101.1	79.4	71.3	64.1	56.0	48.7	45.1	41.5	37.9
25°	169.7	130.9	92.1	81.2	70.4	59.6	48.7	44.2	40.6	36.1
27.5°	225.7	167.9	109.2	93.9	79.4	64.1	48.7	43.3	38.8	33.4
30°	282.5	205.8	128.2	108.3	88.5	68.6	48.7	42.4	37.0	30.7
32.5°	336.7	241.0	144.4	121.0	97.5	73.1	49.6	42.4	35.2	28.0
35°	391.8	269.9	147.1	122.8	98.4	73.1	48.7	40.6	33.4	25.3
37.5°	462.2	302.4	141.7	117.3	93.9	69.5	46.0	38.8	31.6	23.5
40°	568.7	356.6	144.4	119.2	93.9	68.6	43.3	36.1	29.8	22.6
42.5°	765.5	461.3	156.2	127.3	98.4	68.6	39.7	33.4	28.0	21.7
45°	1323.3	766.4	209.4	166.1	122.8	79.4	36.1	30.7	26.2	20.8
47.5°	2189.0	1282.7	376.4	290.7	205.8	120.1	35.2	30.7	26.2	20.8
50°	2793.8	1633.9	473.9	364.7	255.5	146.2	37.0	31.6	27.1	21.7
52.5°	2789.3	1659.1	528.1	405.3	283.4	160.7	38.8	33.4	28.9	23.5
55°	2479.7	1509.3	538.0	413.4	289.8	165.2	41.5	36.1	30.7	25.3
57.5°	2072.6	1281.8	491.1	380.0	269.9	158.9	47.8	41.5	36.1	29.8
60°	1639.3	1011.0	382.7	302.4	223.0	142.6	63.2	55.1	47.8	39.7
62.5°	1132.0	733.0	334.0	268.1	203.1	137.2	72.2	64.1	56.9	48.7
65°	800.7	551.5	301.5	245.5	190.5	134.5	78.5	69.5	61.4	52.4
67.5°	598.5	438.7	278.0	230.2	182.3	134.5	86.7	75.8	65.9	55.1
70°	458.6	360.2	260.9	222.1	184.1	145.3	106.5	91.2	76.7	61.4
72.5°	373.7	307.8	241.0	213.0	185.0	157.1	129.1	109.2	89.4	68.6
75°	309.6	263.6	217.5	194.1	171.5	148.0	124.6	106.5	89.4	71.3
77.5°	205.8	187.8	168.8	155.3	141.7	127.3	113.7	98.4	83.9	68.6
80°	72.2	69.5	66.8	72.2	77.6	83.0	88.5	77.6	67.7	56.9
82.5°	10.8	9.9	9.0	9.9	10.8	11.7	12.6	13.5	14.4	15.3
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°	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
0.0	2.5°	44.2	44.2	43.3	43.3	43.3	42.4	42.4	41.5	41.5	41.5
0.0	5°	43.3	43.3	42.4	41.5	40.6	40.6	39.7	38.8	38.8	37.9
0.0	7.5°	42.4	41.5	40.6	39.7	38.8	37.9	37.0	36.1	36.1	35.2
0.0	10°	43.3	41.5	40.6	38.8	37.9	37.0	35.2	34.3	33.4	33.4
0.0	12.5°	41.5	40.6	38.8	37.0	36.1	34.3	33.4	31.6	30.7	30.7
0.0	15°	41.5	39.7	37.0	35.2	33.4	32.5	30.7	28.9	28.0	27.1
0.0	17.5°	38.8	37.0	34.3	32.5	30.7	28.9	27.1	25.3	24.4	23.5
0.0	20°	35.2	33.4	30.7	28.0	26.2	24.4	22.6	20.8	19.9	19.0
0.0	22.5°	31.6	29.8	27.1	24.4	22.6	20.8	18.1	16.2	15.3	13.5
0.0	25°	29.8	27.1	24.4	21.7	19.0	17.2	14.4	11.7	9.9	8.1
0.0	27.5°	25.3	22.6	19.9	17.2	14.4	11.7	9.0	6.3	4.5	3.6
0.0	30°	21.7	19.0	16.2	13.5	9.9	7.2	4.5	0.9	0.9	0.9
0.0	32.5°	18.1	15.3	11.7	9.0	7.2	4.5	2.7	0.0	0.0	0.0
0.0	35°	14.4	11.7	8.1	5.4	4.5	2.7	1.8	0.0	0.0	0.0
0.0	37.5°	12.6	9.9	6.3	2.7	1.8	1.8	0.9	0.0	0.0	0.0
0.0	40°	11.7	8.1	4.5	0.9	0.9	0.9	0.0	0.0	0.0	0.0
0.0	42.5°	11.7	8.1	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	11.7	8.1	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	11.7	8.1	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	12.6	9.0	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	14.4	10.8	7.2	3.6	2.7	1.8	0.9	0.0	0.0	0.0
0.0	55°	18.1	16.2	13.5	11.7	9.0	6.3	2.7	0.0	0.0	0.0
0.0	57.5°	23.5	23.5	22.6	21.7	16.2	10.8	5.4	0.0	0.0	0.0
0.0	60°	31.6	31.6	31.6	31.6	23.5	16.2	8.1	0.0	0.0	0.0
0.0	62.5°	38.8	37.0	34.3	32.5	24.4	16.2	8.1	0.0	0.0	0.0
0.0	65°	38.8	35.2	30.7	26.2	19.9	13.5	6.3	0.0	0.0	0.0
0.0	67.5°	36.1	28.9	20.8	13.5	9.9	7.2	3.6	0.0	0.0	0.0
	70°	36.1	25.3	14.4	3.6	2.7	1.8	0.9	0.0	0.0	0.0
	72.5°	36.1	24.4	11.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	75°	39.7	27.1	13.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	77.5°	39.7	27.1	13.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	80°	35.2	23.5	11.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	82.5°	11.7	8.1	3.6	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°	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
0.0	2.5°	40.6	40.6	40.6	39.7	39.7	39.7	39.7	38.8	38.8	38.8
0.0	5°	37.0	37.0	36.1	36.1	35.2	35.2	34.3	34.3	33.4	33.4
0.0	7.5°	34.3	33.4	33.4	32.5	31.6	31.6	30.7	30.7	29.8	28.9
0.0	10°	31.6	30.7	30.7	29.8	28.9	28.0	28.0	27.1	26.2	25.3
0.0	12.5°	28.9	28.0	27.1	26.2	25.3	24.4	24.4	23.5	22.6	21.7
0.0	15°	25.3	24.4	23.5	22.6	21.7	20.8	20.8	19.9	19.0	18.1
0.0	17.5°	21.7	20.8	20.8	19.9	19.0	18.1	17.2	15.3	14.4	13.5
0.0	20°	16.2	15.3	14.4	13.5	12.6	10.8	9.9	8.1	6.3	5.4
0.0	22.5°	10.8	9.0	8.1	6.3	4.5	3.6	2.7	0.9	0.0	0.0
0.0	25°	3.6	2.7	1.8	0.9	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

CATALOG NUMBER: GALN-SA4A-830-U-RBC

[illegible]

REPORT NUMBER: P1049149

CATALOG NUMBER: GALN-SA4A-830-U-RBC

CANDELA DISTRIBUTION (continued):

80°		82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°
0.0	0°	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
0.0	2.5°	37.9	37.9	37.9	37.0	37.0	37.0	37.0	37.0	37.0	37.0
0.0	5°	32.5	32.5	32.5	31.6	31.6	30.7	30.7	30.7	29.8	29.8
0.0	7.5°	28.0	27.1	27.1	26.2	26.2	25.3	25.3	25.3	24.4	24.4
0.0	10°	23.5	22.6	22.6	21.7	21.7	20.8	20.8	19.9	19.9	19.0
0.0	12.5°	20.8	19.9	19.0	18.1	18.1	17.2	16.2	16.2	15.3	14.4
0.0	15°	16.2	15.3	14.4	13.5	12.6	11.7	10.8	10.8	9.9	9.0
0.0	17.5°	10.8	9.0	8.1	7.2	7.2	6.3	5.4	4.5	3.6	2.7
0.0	20°	2.7	1.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	32.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1049149

CATALOG NUMBER: GALN-SA4A-830-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049149

CATALOG NUMBER: GALN-SA4A-830-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°	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
0.0	2.5°	37.0	36.1	36.1	36.1	37.0	37.0	37.0	37.0	37.0	37.0
0.0	5°	29.8	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9
0.0	7.5°	24.4	23.5	23.5	23.5	23.5	22.6	22.6	22.6	22.6	22.6
0.0	10°	19.0	18.1	18.1	18.1	18.1	17.2	17.2	17.2	17.2	17.2
0.0	12.5°	13.5	13.5	12.6	12.6	12.6	11.7	11.7	11.7	11.7	10.8
0.0	15°	8.1	7.2	6.3	6.3	6.3	5.4	5.4	5.4	5.4	4.5
0.0	17.5°	1.8	1.8	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0
0.0	20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	32.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049149

CATALOG NUMBER: GALN-SA4A-830-U-RBC

CANDELA DISTRIBUTION (continued):

135°		137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°
0.0	0°	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
0.0	2.5°	37.9	37.9	38.8	38.8	39.7	41.5	42.4	43.3	45.1	46.9
0.0	5°	29.8	30.7	30.7	31.6	32.5	33.4	34.3	35.2	37.0	38.8
0.0	7.5°	23.5	23.5	24.4	24.4	25.3	27.1	28.0	28.9	30.7	33.4
0.0	10°	18.1	18.1	19.0	19.0	19.9	21.7	22.6	23.5	25.3	28.0
0.0	12.5°	11.7	12.6	12.6	13.5	14.4	16.2	17.2	18.1	19.9	21.7
0.0	15°	5.4	6.3	6.3	7.2	8.1	9.9	10.8	11.7	13.5	16.2
0.0	17.5°	0.9	0.9	1.8	1.8	2.7	3.6	4.5	5.4	8.1	9.9
0.0	20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	3.6
0.0	22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
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: P1049149

CATALOG NUMBER: GALN-SA4A-830-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°	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
0.0	2.5°	49.6	51.5	53.3	55.1	56.9	58.7	59.6	61.4	62.3	63.2
0.0	5°	42.4	44.2	46.9	48.7	50.6	52.4	54.2	55.1	56.0	56.9
0.0	7.5°	37.0	38.8	41.5	43.3	45.1	46.9	48.7	50.6	51.5	52.4
0.0	10°	31.6	34.3	36.1	38.8	40.6	42.4	44.2	46.0	47.8	48.7
0.0	12.5°	25.3	28.0	30.7	32.5	35.2	37.9	39.7	41.5	43.3	45.1
0.0	15°	19.9	22.6	25.3	27.1	29.8	32.5	35.2	37.0	38.8	40.6
0.0	17.5°	14.4	17.2	19.9	21.7	24.4	27.1	28.9	31.6	33.4	35.2
0.0	20°	7.2	9.9	12.6	15.3	18.1	20.8	22.6	25.3	27.1	28.9
0.0	22.5°	0.9	3.6	6.3	8.1	10.8	13.5	15.3	18.1	19.9	21.7
0.0	25°	0.0	0.9	2.7	3.6	4.5	6.3	8.1	9.9	11.7	13.5
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	0.9	1.8	3.6	5.4	7.2
0.0	30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8
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	0.9
	82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	1.8
	85°	0.0	0.0	0.0	0.0	0.0	1.8	2.7	4.5	5.4	6.3
	87.5°	0.0	0.9	1.8	2.7	3.6	5.4	7.2	9.0	9.9	10.8
	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: P1049149

CATALOG NUMBER: GALN-SA4A-830-U-RBC

CANDELA DISTRIBUTION (continued):

190°		165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°
52.4	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
63.2	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.8	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
53.3	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50.6	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
46.0	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.4	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.9	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30.7	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23.5	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16.2	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.0	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.7	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											
0.9											
3.6											
8.1											
11.7											
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REPORT NUMBER: P1049149

CATALOG NUMBER: GALN-SA4A-830-U-RBC

CANDELA DISTRIBUTION (continued):

190°		192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°
0.0	0°	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
0.0	2.5°	64.1	64.1	64.1	64.1	63.2	63.2	63.2	62.3	62.3	61.4
0.0	5°	58.7	59.6	59.6	59.6	59.6	59.6	59.6	59.6	58.7	58.7
0.0	7.5°	54.2	55.1	56.0	56.0	56.9	56.9	56.9	56.0	56.0	55.1
0.0	10°	51.5	52.4	52.4	53.3	53.3	53.3	53.3	53.3	53.3	53.3
0.0	12.5°	47.8	48.7	49.6	49.6	50.6	50.6	50.6	50.6	49.6	49.6
0.0	15°	43.3	45.1	46.0	46.9	46.9	47.8	47.8	47.8	47.8	47.8
0.0	17.5°	39.7	41.5	42.4	43.3	43.3	44.2	44.2	45.1	45.1	45.1
0.0	20°	32.5	34.3	35.2	37.0	37.9	38.8	39.7	40.6	40.6	41.5
0.0	22.5°	25.3	27.1	28.0	29.8	30.7	31.6	32.5	33.4	34.3	35.2
0.0	25°	18.1	19.9	20.8	22.6	23.5	24.4	25.3	26.2	26.2	27.1
0.0	27.5°	9.9	11.7	13.5	14.4	16.2	17.2	18.1	19.0	19.9	20.8
0.0	30°	4.5	5.4	6.3	8.1	9.0	9.9	10.8	12.6	13.5	14.4
0.0	32.5°	0.0	0.0	0.9	2.7	3.6	4.5	5.4	6.3	6.3	7.2
0.0	35°	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.8	2.7	3.6
0.0	37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	80°	1.8	1.8	1.8	2.7	2.7	2.7	2.7	2.7	2.7	2.7
	82.5°	4.5	5.4	6.3	6.3	7.2	7.2	7.2	7.2	6.3	6.3
	85°	9.0	9.9	10.8	10.8	11.7	11.7	11.7	11.7	11.7	11.7
	87.5°	12.6	13.5	14.4	14.4	15.3	15.3	15.3	15.3	15.3	15.3
	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1049149

CATALOG NUMBER: GALN-SA4A-830-U-RBC

CANDELA DISTRIBUTION (continued):

217.5°		192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°
52.4	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61.4	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58.7	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55.1	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
53.3	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49.6	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.8	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45.1	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40.6	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35.2	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28.0	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21.7	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.3	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.0	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.4	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.8	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.8	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.9	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.9	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.9	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.9	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.9	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											
2.7											
6.3											
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REPORT NUMBER: P1049149

CATALOG NUMBER: GALN-SA4A-830-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°	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
0.0	2.5°	60.5	60.5	59.6	59.6	59.6	59.6	59.6	60.5	61.4	61.4
0.0	5°	57.8	57.8	56.9	56.9	56.9	57.8	57.8	58.7	59.6	60.5
0.0	7.5°	55.1	54.2	54.2	55.1	55.1	56.0	56.0	56.9	57.8	58.7
0.0	10°	53.3	52.4	52.4	52.4	53.3	53.3	54.2	55.1	56.0	56.9
0.0	12.5°	49.6	49.6	49.6	49.6	50.6	50.6	51.5	52.4	54.2	55.1
0.0	15°	47.8	46.9	46.9	46.9	46.9	47.8	47.8	49.6	51.5	52.4
0.0	17.5°	44.2	44.2	43.3	43.3	44.2	44.2	45.1	46.9	48.7	49.6
0.0	20°	40.6	39.7	38.8	38.8	39.7	39.7	40.6	42.4	44.2	45.1
0.0	22.5°	35.2	34.3	34.3	34.3	34.3	35.2	35.2	37.0	39.7	41.5
0.0	25°	28.0	28.9	28.9	29.8	29.8	30.7	31.6	33.4	36.1	37.9
0.0	27.5°	21.7	22.6	22.6	24.4	25.3	26.2	27.1	29.8	32.5	34.3
0.0	30°	16.2	17.2	18.1	19.0	20.8	22.6	24.4	27.1	29.8	31.6
0.0	32.5°	9.9	11.7	12.6	14.4	16.2	18.1	19.9	22.6	26.2	28.9
0.0	35°	7.2	8.1	9.9	10.8	12.6	14.4	16.2	19.9	22.6	26.2
0.0	37.5°	3.6	5.4	7.2	9.0	10.8	12.6	14.4	18.1	21.7	24.4
0.0	40°	2.7	4.5	5.4	7.2	9.9	11.7	13.5	17.2	20.8	24.4
0.0	42.5°	1.8	2.7	3.6	6.3	8.1	10.8	13.5	17.2	20.8	24.4
0.0	45°	1.8	1.8	2.7	5.4	8.1	11.7	14.4	18.1	20.8	24.4
0.0	47.5°	1.8	2.7	3.6	7.2	9.0	11.7	14.4	17.2	20.8	23.5
0.0	50°	2.7	3.6	4.5	8.1	9.9	12.6	14.4	18.1	20.8	24.4
0.0	52.5°	1.8	2.7	3.6	7.2	9.9	13.5	16.2	19.9	23.5	26.2
0.0	55°	0.9	0.9	0.9	5.4	10.8	15.3	20.8	23.5	27.1	29.8
0.0	57.5°	0.0	0.0	0.0	3.6	10.8	17.2	23.5	27.1	30.7	33.4
0.0	60°	0.0	0.0	0.0	3.6	10.8	17.2	23.5	28.0	32.5	37.0
0.0	62.5°	0.0	0.0	0.0	3.6	9.0	14.4	19.9	27.1	35.2	42.4
0.0	65°	0.0	0.0	0.0	2.7	7.2	11.7	16.2	27.1	37.9	47.8
0.0	67.5°	0.0	0.0	0.0	2.7	7.2	10.8	15.3	27.1	37.9	49.6
	70°	0.0	0.0	0.0	2.7	7.2	11.7	16.2	27.1	37.9	48.7
	72.5°	0.0	0.0	0.0	2.7	8.1	12.6	18.1	27.1	36.1	45.1
	75°	0.0	0.0	0.0	3.6	8.1	13.5	19.0	27.1	35.2	42.4
	77.5°	0.0	0.0	0.0	2.7	8.1	12.6	18.1	26.2	34.3	41.5
	80°	2.7	1.8	1.8	4.5	8.1	11.7	15.3	23.5	32.5	40.6
	82.5°	5.4	5.4	4.5	6.3	8.1	10.8	13.5	20.8	28.9	36.1
	85°	10.8	10.8	9.9	10.8	10.8	11.7	12.6	16.2	19.9	23.5
	87.5°	14.4	14.4	13.5	13.5	13.5	12.6	12.6	12.6	12.6	11.7
	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: P1049149

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CANDELA DISTRIBUTION (continued):

245°		220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°
52.4	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.3	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61.4	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59.6	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.8	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
56.0	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
54.2	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
51.5	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
46.9	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43.3	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39.7	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.0	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34.3	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31.6	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28.9	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28.0	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28.0	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28.0	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27.1	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26.2	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27.1	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29.8	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32.5	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.0	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41.5	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49.6	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58.7	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60.5	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59.6											
54.2											
50.6											
49.6											
48.7											
43.3											
27.1											
11.7											
0.0											
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REPORT NUMBER: P1049149

CATALOG NUMBER: GALN-SA4A-830-U-RBC

CANDELA DISTRIBUTION (continued):

245°		247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°
0.0	0°	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
0.0	2.5°	63.2	64.1	64.1	65.0	65.9	66.8	66.8	67.7	67.7	67.7
0.0	5°	62.3	64.1	65.0	65.9	66.8	67.7	68.6	69.5	70.4	70.4
0.0	7.5°	61.4	62.3	64.1	65.0	66.8	67.7	69.5	70.4	71.3	72.2
0.0	10°	59.6	61.4	63.2	65.0	66.8	68.6	70.4	72.2	74.0	74.9
0.0	12.5°	57.8	60.5	62.3	64.1	66.8	69.5	71.3	74.0	75.8	77.6
0.0	15°	56.9	58.7	61.4	63.2	66.8	70.4	73.1	76.7	80.3	83.0
0.0	17.5°	54.2	57.8	60.5	63.2	66.8	71.3	74.9	78.5	83.9	89.4
0.0	20°	50.6	53.3	56.9	59.6	65.0	69.5	74.9	79.4	87.6	95.7
0.0	22.5°	46.9	50.6	53.3	56.9	63.2	68.6	74.9	80.3	93.9	106.5
0.0	25°	43.3	47.8	51.5	55.1	62.3	69.5	76.7	83.9	106.5	129.1
0.0	27.5°	41.5	45.1	49.6	53.3	62.3	72.2	81.2	90.3	126.4	161.6
0.0	30°	38.8	43.3	46.9	51.5	63.2	74.9	86.7	98.4	153.5	208.5
0.0	32.5°	36.1	40.6	45.1	49.6	65.0	80.3	94.8	110.1	182.3	253.7
0.0	35°	33.4	38.8	43.3	47.8	67.7	88.5	108.3	128.2	208.5	288.0
0.0	37.5°	32.5	37.9	42.4	46.9	68.6	89.4	111.0	131.8	211.2	290.7
0.0	40°	33.4	37.9	43.3	47.8	65.9	83.9	101.1	119.2	202.2	284.3
0.0	42.5°	33.4	38.8	44.2	49.6	64.1	78.5	93.0	107.4	199.5	291.6
0.0	45°	32.5	37.9	43.3	48.7	62.3	74.9	88.5	101.1	215.7	329.5
0.0	47.5°	31.6	37.0	42.4	47.8	61.4	74.9	88.5	102.0	278.9	455.0
0.0	50°	31.6	37.0	41.5	46.0	62.3	79.4	95.7	111.9	406.2	699.6
0.0	52.5°	33.4	37.9	41.5	45.1	64.1	83.9	102.9	121.9	516.3	909.9
0.0	55°	36.1	38.8	42.4	45.1	68.6	91.2	114.6	137.2	549.7	962.3
0.0	57.5°	39.7	42.4	45.1	47.8	76.7	105.6	133.6	162.5	552.4	941.5
0.0	60°	44.2	47.8	50.6	53.3	83.9	115.5	146.2	176.9	500.1	822.3
0.0	62.5°	54.2	58.7	62.3	66.8	96.6	125.5	155.3	184.1	415.2	646.3
0.0	65°	62.3	65.9	69.5	73.1	102.0	131.8	160.7	189.6	352.0	514.5
0.0	67.5°	64.1	67.7	70.4	74.0	103.8	133.6	162.5	192.3	301.5	409.8
	70°	65.0	69.5	74.9	79.4	110.1	140.8	170.6	201.3	267.2	333.1
	72.5°	62.3	71.3	79.4	87.6	116.4	144.4	173.3	201.3	248.2	295.2
	75°	62.3	74.9	86.7	98.4	120.1	140.8	162.5	183.2	219.4	255.5
	77.5°	65.9	82.1	98.4	114.6	127.3	139.0	151.7	163.4	186.9	210.3
	80°	65.9	83.0	99.3	116.4	121.9	128.2	133.6	139.0	141.7	144.4
	82.5°	56.9	70.4	83.9	97.5	91.2	84.9	78.5	72.2	67.7	62.3
	85°	28.9	31.6	33.4	35.2	32.5	29.8	27.1	24.4	22.6	19.9
	87.5°	11.7	11.7	10.8	10.8	10.8	10.8	9.9	9.9	9.9	9.9
	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: P1049149

CATALOG NUMBER: GALN-SA4A-830-U-RBC

CANDELA DISTRIBUTION (continued):

272.5°		247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°
52.4	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.7	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70.4	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
73.1	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
76.7	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80.3	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.6	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
96.6	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
111.0	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
141.7	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
192.3	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
267.2	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
362.0	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
452.2	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
513.6	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559.7	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
605.7	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
696.0	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
876.5	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1336.0	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2046.4	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2576.2	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2634.9	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2377.7	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2032.8	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1588.7	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1200.6	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
886.4	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
627.4											
466.7											
339.4											
255.5											
143.5											
65.0											
19.0											
9.0											
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REPORT NUMBER: P1049149

CATALOG NUMBER: GALN-SA4A-830-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°	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
0.0	2.5°	67.7	66.8	66.8	65.9	65.0	64.1	63.2	62.3	61.4	60.5
0.0	5°	70.4	70.4	70.4	69.5	69.5	68.6	68.6	67.7	66.8	65.9
0.0	7.5°	73.1	74.0	74.0	74.9	74.9	74.9	74.9	74.0	74.0	74.0
0.0	10°	77.6	78.5	79.4	80.3	81.2	82.1	82.1	83.0	83.0	83.0
0.0	12.5°	83.0	85.8	87.6	90.3	92.1	94.8	96.6	99.3	101.1	102.9
0.0	15°	91.2	95.7	101.1	105.6	110.1	116.4	123.7	130.0	136.3	146.2
0.0	17.5°	102.9	117.3	131.8	145.3	159.8	191.4	223.0	253.7	285.2	331.3
0.0	20°	125.5	168.8	211.2	254.6	297.0	408.0	518.1	629.2	739.3	857.5
0.0	22.5°	176.0	282.5	389.1	495.6	602.1	834.1	1065.2	1297.2	1528.2	1799.9
0.0	25°	255.5	451.3	647.2	842.2	1038.1	1401.0	1764.7	2127.6	2490.5	2843.4
0.0	27.5°	371.9	671.6	971.3	1270.1	1569.8	2061.7	2554.6	3046.5	3538.5	3937.5
0.0	30°	515.4	921.6	1327.8	1734.0	2140.3	2699.9	3259.6	3818.3	4378.0	4814.0
0.0	32.5°	650.8	1148.2	1645.6	2142.1	2639.4	3276.7	3914.9	4552.2	5189.5	5666.1
0.0	35°	739.3	1340.5	1942.6	2543.8	3144.9	3834.6	4524.2	5213.0	5902.6	6446.9
0.0	37.5°	827.8	1521.9	2215.2	2909.3	3602.6	4359.9	5117.3	5874.6	6632.0	7304.5
0.0	40°	927.1	1741.3	2554.6	3368.8	4182.1	5079.4	5975.7	6873.0	7769.4	8718.1
0.0	42.5°	1099.5	2105.0	3111.5	4117.1	5122.7	6309.7	7496.8	8682.9	9869.9	11223.9
0.0	45°	1423.5	2840.7	4258.8	5676.0	7093.3	8665.7	10239.1	11811.6	13384.0	15185.8
0.0	47.5°	2217.0	4166.8	6115.7	8065.4	10014.3	11712.3	13409.3	15107.2	16804.3	18598.8
0.0	50°	3392.3	5661.6	7930.9	10199.4	12468.7	14005.1	15540.5	17076.9	18612.4	20319.3
0.0	52.5°	4242.6	6606.7	8971.7	11335.9	13700.0	15086.5	16473.9	17860.4	19246.9	20842.0
0.0	55°	4306.7	6657.3	9008.7	11359.3	13709.9	15102.7	16495.6	17888.4	19281.2	20972.0
0.0	57.5°	3812.9	6144.5	8475.3	10806.9	13137.6	14723.6	16308.7	17894.7	19479.8	21307.8
0.0	60°	3243.3	5575.9	7907.5	10240.0	12571.6	14398.6	16226.6	18053.6	19880.6	21593.0
0.0	62.5°	2530.2	4929.5	7329.8	9729.1	12128.4	13983.4	15838.4	17692.5	19547.5	20832.0
0.0	65°	1885.7	4215.5	6545.3	8874.2	11204.1	12689.9	14175.7	15660.6	17146.4	17941.7
0.0	67.5°	1363.0	3372.4	5380.9	7390.2	9398.7	10462.1	11525.4	12587.9	13651.2	14259.6
	70°	921.6	2313.6	3704.6	5096.5	6487.6	7361.4	8236.0	9109.8	9983.6	10805.1
	72.5°	638.2	1419.9	2202.5	2984.3	3766.0	4645.2	5523.5	6402.7	7281.0	8150.3
	75°	423.4	779.0	1135.6	1491.2	1846.9	2497.7	3149.4	3800.3	4451.1	4969.3
	77.5°	300.6	407.1	514.5	621.0	727.6	849.4	972.2	1094.0	1215.9	1401.0
	80°	142.6	156.2	169.7	182.3	195.9	240.1	284.3	328.6	372.8	419.7
	82.5°	67.7	73.1	78.5	83.0	88.5	93.0	97.5	102.0	106.5	102.0
	85°	18.1	18.1	19.0	19.0	19.0	19.0	19.0	19.0	19.0	18.1
	87.5°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	7.2	7.2	6.3
	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CATALOG NUMBER: GALN-SA4A-830-U-RBC

CANDELA DISTRIBUTION (continued):

300°		275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°
52.4	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59.6	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65.0	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
73.1	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
83.9	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
103.8	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.1	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
376.4	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
976.7	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2071.6	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3196.4	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4336.5	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5250.9	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6143.6	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6991.3	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7977.9	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9666.8	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12577.9	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16987.5	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20393.3	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22026.3	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22437.0	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22663.6	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23135.7	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23304.5	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22117.5	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18737.8	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14868.9	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11625.6											
9019.6											
5487.4											
1586.0											
466.7											
96.6											
17.2											
6.3											
0.0											
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°	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
0.0	2.5°	58.7	57.8	56.9	56.0	55.1	53.3	53.3	52.4	52.4
0.0	5°	64.1	63.2	62.3	61.4	61.4	60.5	59.6	59.6	58.7
0.0	7.5°	73.1	72.2	71.3	70.4	70.4	69.5	69.5	68.6	68.6
0.0	10°	83.9	83.9	83.9	83.9	83.9	83.0	83.0	83.0	82.1
0.0	12.5°	105.6	106.5	108.3	110.1	112.8	112.8	112.8	111.9	111.9
0.0	15°	167.0	176.9	184.1	191.4	197.7	212.1	210.3	207.6	205.8
0.0	17.5°	422.5	467.6	492.0	515.4	539.8	606.6	595.8	584.9	575.0
0.0	20°	1095.0	1213.2	1291.7	1370.3	1449.7	1575.2	1544.5	1513.8	1483.1
0.0	22.5°	2342.5	2614.2	2732.4	2850.7	2968.0	3119.7	3021.3	2922.9	2825.4
0.0	25°	3548.4	3901.4	4100.9	4300.4	4499.0	4585.6	4457.4	4328.3	4200.2
0.0	27.5°	4735.5	5134.4	5310.5	5485.6	5661.6	5843.0	5684.2	5524.4	5365.5
0.0	30°	5686.9	6122.9	6313.3	6502.9	6693.4	6819.7	6655.5	6490.3	6326.0
0.0	32.5°	6620.3	7096.9	7305.4	7513.9	7721.5	7903.0	7700.8	7497.7	7295.5
0.0	35°	7534.7	8079.0	8366.0	8653.1	8940.1	9108.9	8868.8	8627.8	8387.7
0.0	37.5°	8650.4	9322.9	9644.2	9965.6	10286.9	10594.8	10330.3	10064.9	9800.4
0.0	40°	10615.5	11564.2	12057.1	12550.9	13043.7	13440.9	13106.9	12772.9	12438.9
0.0	42.5°	13932.0	15286.0	15994.6	16702.3	17410.9	18031.0	17679.9	17328.7	16977.6
0.0	45°	18789.3	20591.0	21454.9	22317.9	23181.7	23634.9	23129.4	22623.0	22117.5
0.0	47.5°	22187.0	23981.5	24750.6	25519.7	26288.7	26806.0	26187.6	25569.3	24951.9
0.0	50°	23732.4	25439.3	26211.1	26982.0	27753.8	28164.5	27450.5	26735.6	26021.5
0.0	52.5°	24031.1	25626.2	26546.9	27468.5	28389.3	28938.1	28095.0	27251.0	26407.9
0.0	55°	24354.3	26045.0	27112.9	28181.7	29249.5	30009.6	29056.4	28102.2	27149.0
0.0	57.5°	24962.7	26790.6	27855.8	28920.1	29985.2	30630.6	29674.7	28717.9	27761.9
0.0	60°	25016.9	26728.3	27643.7	28559.9	29475.2	29881.4	28967.0	28051.7	27137.3
0.0	62.5°	23402.0	24686.5	25322.0	25957.5	26592.9	27034.4	26080.2	25125.2	24171.1
0.0	65°	19533.1	20328.3	20834.7	21341.2	21847.6	22373.8	21500.0	20626.2	19752.4
0.0	67.5°	15477.3	16085.8	16752.8	17419.9	18087.0	18649.4	17949.8	17249.3	16549.7
	70°	12447.0	13267.6	14017.7	14767.8	15518.0	15978.3	15276.0	14572.9	13870.6
	72.5°	9888.9	10758.1	11384.6	12010.2	12636.6	12749.4	12233.1	11716.8	11201.4
	75°	6004.6	6522.8	6535.4	6547.1	6559.8	6667.2	6239.3	5811.5	5384.5
	77.5°	1771.1	1956.1	2108.7	2260.3	2412.9	2597.0	2439.9	2282.0	2124.9
	80°	512.7	559.7	599.4	638.2	677.9	654.4	617.4	580.4	543.4
	82.5°	92.1	86.7	85.8	84.9	84.9	80.3	73.1	65.9	58.7
	85°	16.2	15.3	14.4	13.5	12.6	11.7	9.9	9.0	7.2
	87.5°	5.4	4.5	3.6	2.7	2.7	0.9	0.9	0.9	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-SA4A-830-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]



REPORT NUMBER: P1049149

CATALOG NUMBER: GALN-SA4A-830-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°	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
0.0	0.0	2.5°	51.5	50.6	50.6	50.6	50.6	49.6	49.6	49.6	49.6
0.0	0.0	5°	56.9	56.9	56.0	56.0	55.1	55.1	54.2	54.2	53.3
0.0	0.0	7.5°	66.8	65.9	65.0	64.1	63.2	61.4	60.5	59.6	59.6
0.0	0.0	10°	80.3	78.5	77.6	75.8	74.9	73.1	71.3	69.5	67.7
0.0	0.0	12.5°	105.6	102.0	99.3	95.7	92.1	89.4	85.8	83.0	79.4
0.0	0.0	15°	183.2	174.2	164.3	152.6	139.9	128.2	115.5	108.3	100.2
0.0	0.0	17.5°	468.5	421.6	373.7	334.9	296.1	258.2	219.4	191.4	163.4
0.0	0.0	20°	1192.4	1062.5	932.5	804.3	675.2	547.0	417.9	352.9	288.0
0.0	0.0	22.5°	2244.1	2003.0	1761.1	1527.3	1292.6	1058.8	825.0	677.9	531.7
0.0	0.0	25°	3463.6	3160.3	2857.0	2472.4	2087.0	1702.5	1317.9	1078.7	839.5
0.0	0.0	27.5°	4507.1	4157.7	3808.4	3340.8	2873.2	2405.6	1938.1	1581.5	1225.8
0.0	0.0	30°	5410.7	5035.1	4659.6	4115.3	3571.0	3026.7	2482.4	2036.4	1590.5
0.0	0.0	32.5°	6194.2	5744.7	5295.1	4733.7	4172.2	3610.7	3049.3	2502.2	1955.2
0.0	0.0	35°	7097.8	6573.3	6048.0	5425.1	4801.4	4178.5	3555.7	2938.2	2319.9
0.0	0.0	37.5°	8246.0	7602.4	6957.9	6263.7	5569.5	4876.3	4182.1	3476.2	2770.3
0.0	0.0	40°	10444.0	9613.5	8783.1	7901.2	7018.3	6136.4	5254.5	4387.9	3521.4
0.0	0.0	42.5°	14382.4	13260.4	12138.3	10964.8	9790.5	8617.0	7442.6	6220.4	4997.2
0.0	0.0	45°	18827.2	17435.3	16042.4	14725.4	13407.5	12090.5	10773.5	9096.3	7419.1
0.0	0.0	47.5°	21326.7	19823.7	18320.8	17074.2	15827.6	14581.0	13334.4	11526.3	9718.2
0.0	0.0	50°	22246.5	20716.5	19186.5	18039.2	16890.9	15743.6	14595.4	12784.7	10973.0
0.0	0.0	52.5°	22442.4	20881.7	19321.0	18166.4	17011.9	15858.3	14703.7	12904.7	11105.7
0.0	0.0	55°	22845.0	21170.5	19495.2	18179.1	16863.0	15546.9	14230.7	12402.8	10574.9
0.0	0.0	57.5°	23371.3	21654.4	19937.5	18438.1	16938.8	15440.3	13941.0	11942.5	9943.9
0.0	0.0	60°	23233.2	21739.2	20244.4	18638.5	17031.8	15425.9	13819.1	11621.1	9422.2
0.0	0.0	62.5°	20835.7	19645.9	18455.3	17134.7	15813.1	14492.5	13171.9	10908.9	8645.9
0.0	0.0	65°	17141.0	16272.6	15404.2	14341.8	13278.4	12216.0	11153.5	9124.3	7096.0
0.0	0.0	67.5°	13892.2	12913.7	11934.3	11087.6	10240.0	9393.3	8545.7	6948.8	5352.0
		70°	11037.1	9972.8	8907.6	8080.8	7253.0	6426.2	5599.3	4537.8	3477.1
		72.5°	8765.0	7805.5	6845.9	5964.0	5081.2	4199.3	3316.4	2689.1	2061.7
		75°	4189.3	3805.7	3422.1	2960.8	2499.5	2038.3	1577.0	1303.5	1030.9
		77.5°	1552.6	1345.9	1138.3	950.5	762.8	575.9	388.2	355.7	323.2
		80°	401.7	350.2	297.9	260.9	223.0	186.0	148.9	134.5	121.0
		82.5°	46.0	42.4	39.7	37.9	35.2	33.4	30.7	28.0	25.3
		85°	2.7	1.8	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: P1049149

CATALOG NUMBER: GALN-SA4A-830-U-RBC

CANDELA DISTRIBUTION (continued):

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REPORT NUMBER: P1049149

CATALOG NUMBER: GALN-SA4A-830-U-RBC

CANDELA DISTRIBUTION (continued):

352.5°	355°		357.5°	360°
0.0	0.0	0°	52.4	52.4
0.0	0.0	2.5°	48.7	47.8
0.0	0.0	5°	51.5	50.6
0.0	0.0	7.5°	56.9	55.1
0.0	0.0	10°	62.3	60.5
0.0	0.0	12.5°	70.4	67.7
0.0	0.0	15°	79.4	74.0
0.0	0.0	17.5°	94.8	83.0
0.0	0.0	20°	128.2	98.4
0.0	0.0	22.5°	180.5	122.8
0.0	0.0	25°	265.4	169.7
0.0	0.0	27.5°	369.2	225.7
0.0	0.0	30°	491.1	282.5
0.0	0.0	32.5°	598.5	336.7
0.0	0.0	35°	738.4	391.8
0.0	0.0	37.5°	910.8	462.2
0.0	0.0	40°	1178.0	568.7
0.0	0.0	42.5°	1659.1	765.5
0.0	0.0	45°	2694.5	1323.3
0.0	0.0	47.5°	4146.0	2189.0
0.0	0.0	50°	5072.2	2793.8
0.0	0.0	52.5°	5148.0	2789.3
0.0	0.0	55°	4699.4	2479.7
0.0	0.0	57.5°	4009.7	2072.6
0.0	0.0	60°	3332.7	1639.3
0.0	0.0	62.5°	2625.9	1132.0
0.0	0.0	65°	1919.1	800.7
0.0	0.0	67.5°	1378.4	598.5
		70°	906.3	458.6
		72.5°	590.4	373.7
		75°	397.2	309.6
		77.5°	232.0	205.8
		80°	82.1	72.2
		82.5°	15.3	10.8
		85°	0.0	0.0
		87.5°	0.0	0.0
		90°	0.0	0.0
		92.5°	0.0	0.0
		95°	0.0	0.0
		97.5°	0.0	0.0
		100°	0.0	0.0
		102.5°	0.0	0.0
		105°	0.0	0.0
		107.5°	0.0	0.0
		110°	0.0	0.0



REPORT NUMBER: P1049149

CATALOG NUMBER: GALN-SA4A-830-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: SP1-2407-184-9

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-830-U-5WQ

Data in this report applies to families of products including GSS-SB1A-830-U-5WQ

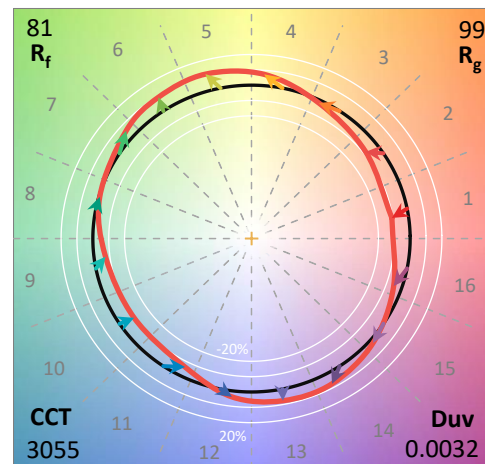
Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-9
 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-830-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI
 3000K CCT 26 LEDS

Spectral Parameters

CCT (K): 3055
 CIE u' : 0.2475
 CIE v' : 0.5247
 Duv: 0.0032
 CIE x: 0.4377
 CIE y: 0.4124
 CIE z: 0.1499
 Peak Wavelength (nm): 604
 Dominant Wavelength (nm): 581
 Purity: 55.16339
 R_f: 81.5
 R_g: 99.2

CRI (Ra): 80.9
 R1: 79.5
 R2: 85.6
 R3: 92.1
 R4: 82.4
 R5: 78.9
 R6: 81.7
 R7: 85.1
 R8: 61.9
 R9: 6.8
 R10: 67.1
 R11: 82.5
 R12: 63.4
 R13: 80.2
 R14: 95.1
 R15: 71.7



Test Conditions

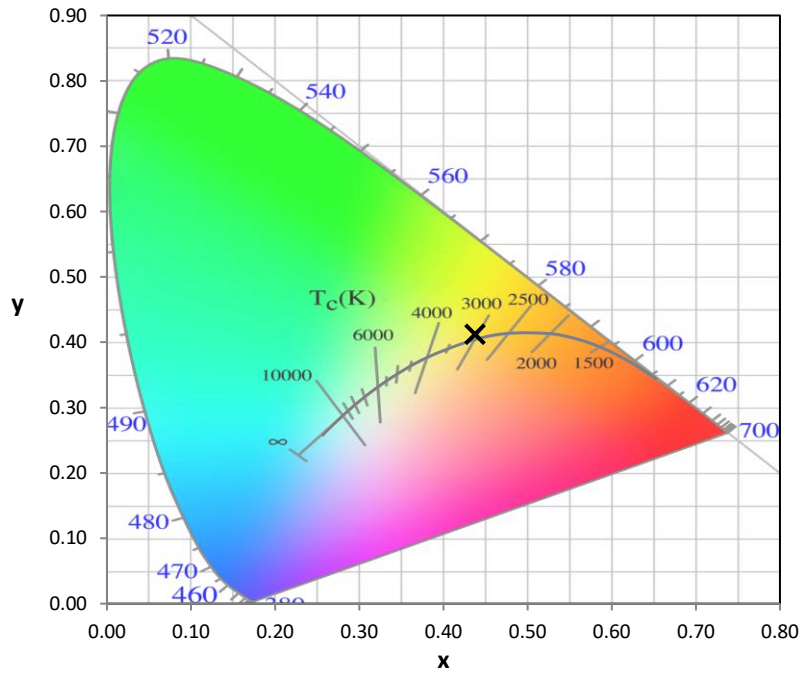
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-9

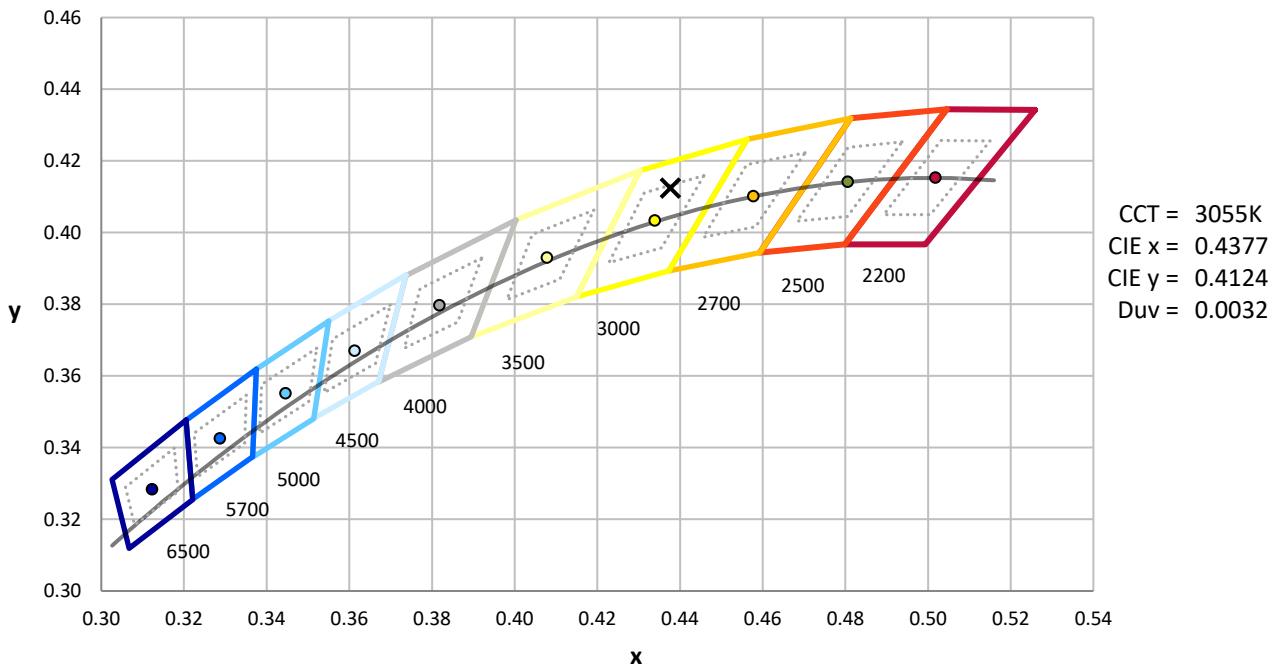
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-9

CIE 1931 Chromaticity Diagram



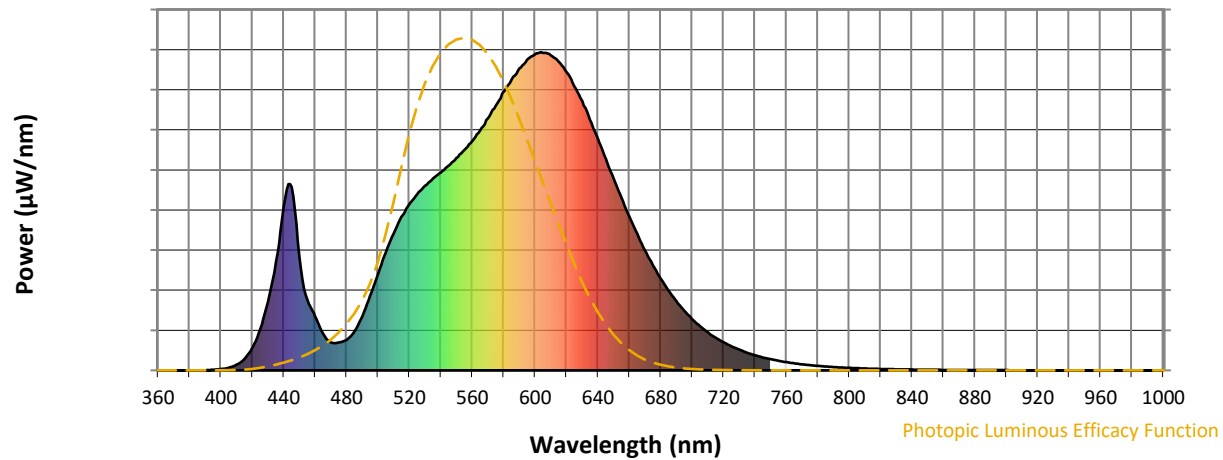
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-9

Photopic Flux vs. Wavelength

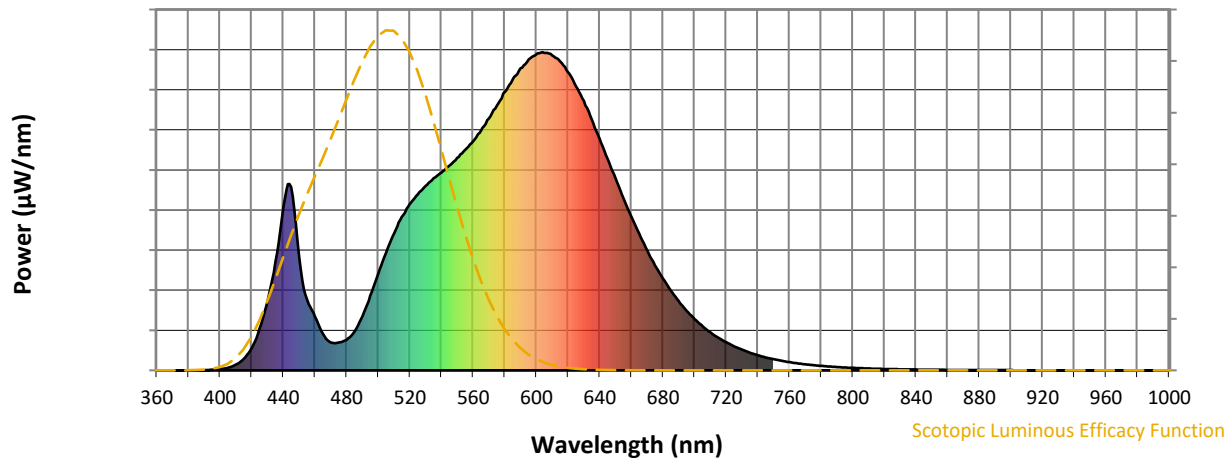


Photopic Lumens: NR

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	170	NR	620	938	NR	750	35	NR	880	1	NR
365	0	NR	495	234	NR	625	894	NR	755	30	NR	885	1	NR
370	0	NR	500	302	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	371	NR	635	788	NR	765	22	NR	895	1	NR
380	0	NR	510	431	NR	640	728	NR	770	19	NR	900	1	NR
385	0	NR	515	482	NR	645	665	NR	775	16	NR	905	1	NR
390	0	NR	520	523	NR	650	603	NR	780	14	NR	910	0	NR
395	2	NR	525	553	NR	655	542	NR	785	12	NR	915	0	NR
400	4	NR	530	580	NR	660	484	NR	790	11	NR	920	0	NR
405	8	NR	535	603	NR	665	430	NR	795	9	NR	925	0	NR
410	18	NR	540	622	NR	670	377	NR	800	8	NR	930	0	NR
415	36	NR	545	644	NR	675	330	NR	805	7	NR	935	0	NR
420	71	NR	550	668	NR	680	289	NR	810	6	NR	940	0	NR
425	131	NR	555	693	NR	685	250	NR	815	5	NR	945	0	NR
430	215	NR	560	720	NR	690	218	NR	820	4	NR	950	0	NR
435	341	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	514	NR	570	792	NR	700	161	NR	830	3	NR	960	0	NR
445	576	NR	575	832	NR	705	139	NR	835	3	NR	965	0	NR
450	358	NR	580	875	NR	710	119	NR	840	3	NR	970	0	NR
455	222	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	170	NR	590	950	NR	720	88	NR	850	2	NR	980	0	NR
465	115	NR	595	977	NR	725	76	NR	855	2	NR	985	0	NR
470	88	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	87	NR	605	997	NR	735	56	NR	865	1	NR	995	0	NR
480	96	NR	610	990	NR	740	47	NR	870	1	NR	1000	0	NR
485	122	NR	615	971	NR	745	41	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-9

Scotopic Flux vs. Wavelength



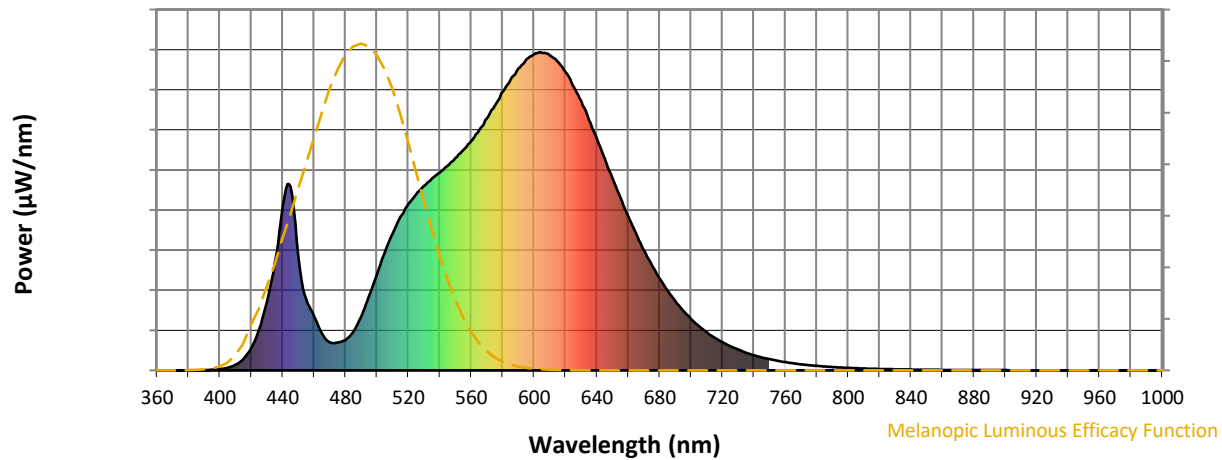
Scotopic Lumens: NR

S/P: 1.28

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	170	NR	620	938	NR	750	35	NR	880	1	NR
365	0	NR	495	234	NR	625	894	NR	755	30	NR	885	1	NR
370	0	NR	500	302	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	371	NR	635	788	NR	765	22	NR	895	1	NR
380	0	NR	510	431	NR	640	728	NR	770	19	NR	900	1	NR
385	0	NR	515	482	NR	645	665	NR	775	16	NR	905	1	NR
390	0	NR	520	523	NR	650	603	NR	780	14	NR	910	0	NR
395	2	NR	525	553	NR	655	542	NR	785	12	NR	915	0	NR
400	4	NR	530	580	NR	660	484	NR	790	11	NR	920	0	NR
405	8	NR	535	603	NR	665	430	NR	795	9	NR	925	0	NR
410	18	NR	540	622	NR	670	377	NR	800	8	NR	930	0	NR
415	36	NR	545	644	NR	675	330	NR	805	7	NR	935	0	NR
420	71	NR	550	668	NR	680	289	NR	810	6	NR	940	0	NR
425	131	NR	555	693	NR	685	250	NR	815	5	NR	945	0	NR
430	215	NR	560	720	NR	690	218	NR	820	4	NR	950	0	NR
435	341	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	514	NR	570	792	NR	700	161	NR	830	3	NR	960	0	NR
445	576	NR	575	832	NR	705	139	NR	835	3	NR	965	0	NR
450	358	NR	580	875	NR	710	119	NR	840	3	NR	970	0	NR
455	222	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	170	NR	590	950	NR	720	88	NR	850	2	NR	980	0	NR
465	115	NR	595	977	NR	725	76	NR	855	2	NR	985	0	NR
470	88	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	87	NR	605	997	NR	735	56	NR	865	1	NR	995	0	NR
480	96	NR	610	990	NR	740	47	NR	870	1	NR	1000	0	NR
485	122	NR	615	971	NR	745	41	NR	875	1	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.33

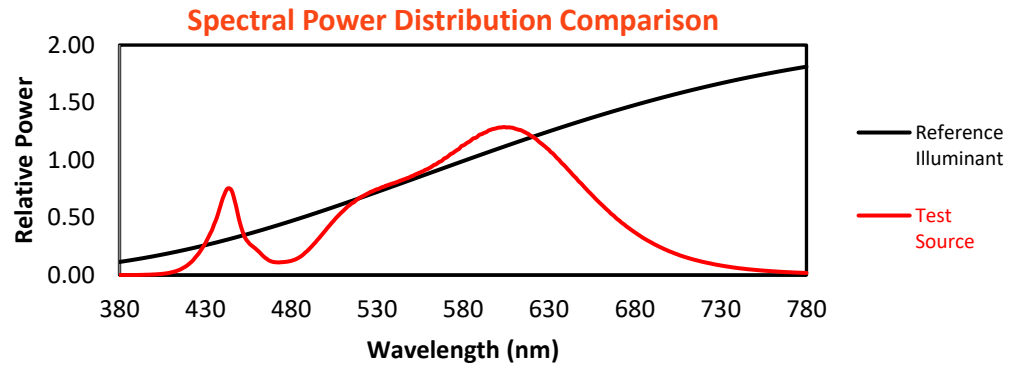
λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)
360	0	NR	490	170	NR	620	938	NR	750	35	NR	880	1	NR
365	0	NR	495	234	NR	625	894	NR	755	30	NR	885	1	NR
370	0	NR	500	302	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	371	NR	635	788	NR	765	22	NR	895	1	NR
380	0	NR	510	431	NR	640	728	NR	770	19	NR	900	1	NR
385	0	NR	515	482	NR	645	665	NR	775	16	NR	905	1	NR
390	0	NR	520	523	NR	650	603	NR	780	14	NR	910	0	NR
395	2	NR	525	553	NR	655	542	NR	785	12	NR	915	0	NR
400	4	NR	530	580	NR	660	484	NR	790	11	NR	920	0	NR
405	8	NR	535	603	NR	665	430	NR	795	9	NR	925	0	NR
410	18	NR	540	622	NR	670	377	NR	800	8	NR	930	0	NR
415	36	NR	545	644	NR	675	330	NR	805	7	NR	935	0	NR
420	71	NR	550	668	NR	680	289	NR	810	6	NR	940	0	NR
425	131	NR	555	693	NR	685	250	NR	815	5	NR	945	0	NR
430	215	NR	560	720	NR	690	218	NR	820	4	NR	950	0	NR
435	341	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	514	NR	570	792	NR	700	161	NR	830	3	NR	960	0	NR
445	576	NR	575	832	NR	705	139	NR	835	3	NR	965	0	NR
450	358	NR	580	875	NR	710	119	NR	840	3	NR	970	0	NR
455	222	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	170	NR	590	950	NR	720	88	NR	850	2	NR	980	0	NR
465	115	NR	595	977	NR	725	76	NR	855	2	NR	985	0	NR
470	88	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	87	NR	605	997	NR	735	56	NR	865	1	NR	995	0	NR
480	96	NR	610	990	NR	740	47	NR	870	1	NR	1000	0	NR
485	122	NR	615	971	NR	745	41	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-9

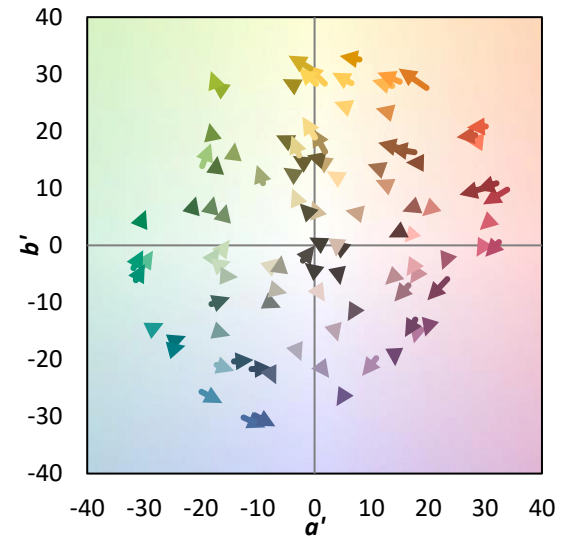
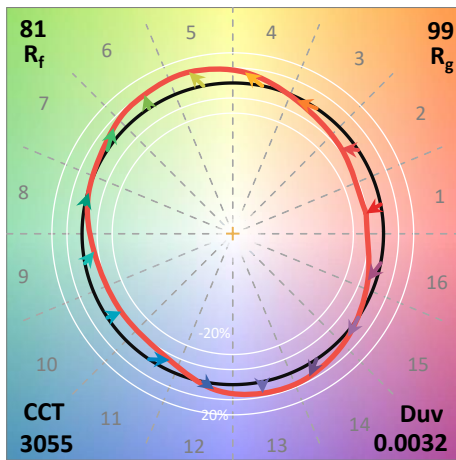
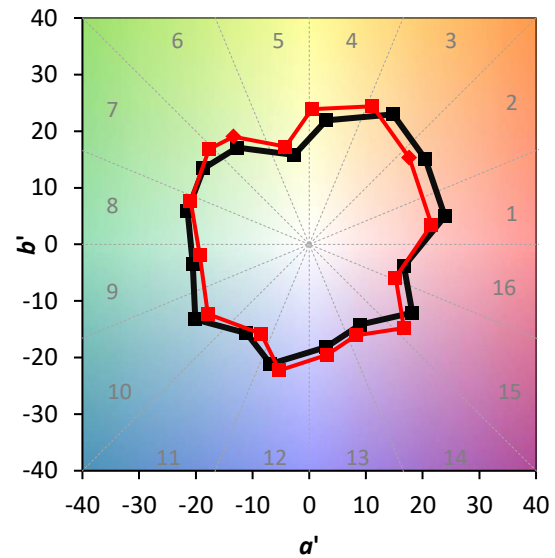
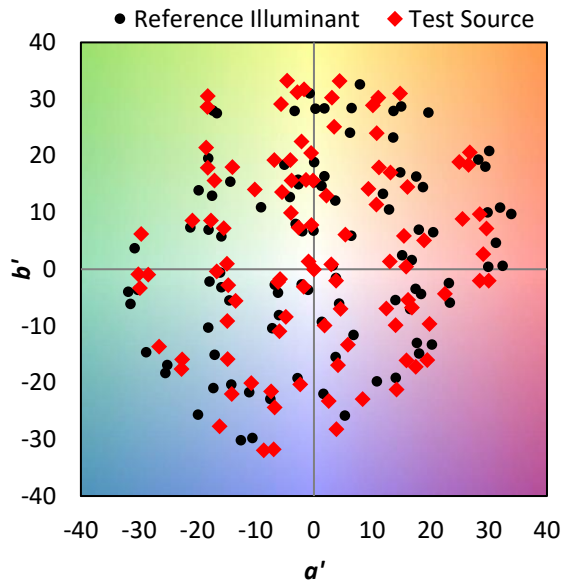
TM-30-18

Summary

$R_f = 81.5$
 $R_g = 99.2$
 $CIE R_a = 80.9$
 $R_9 = 6.8$

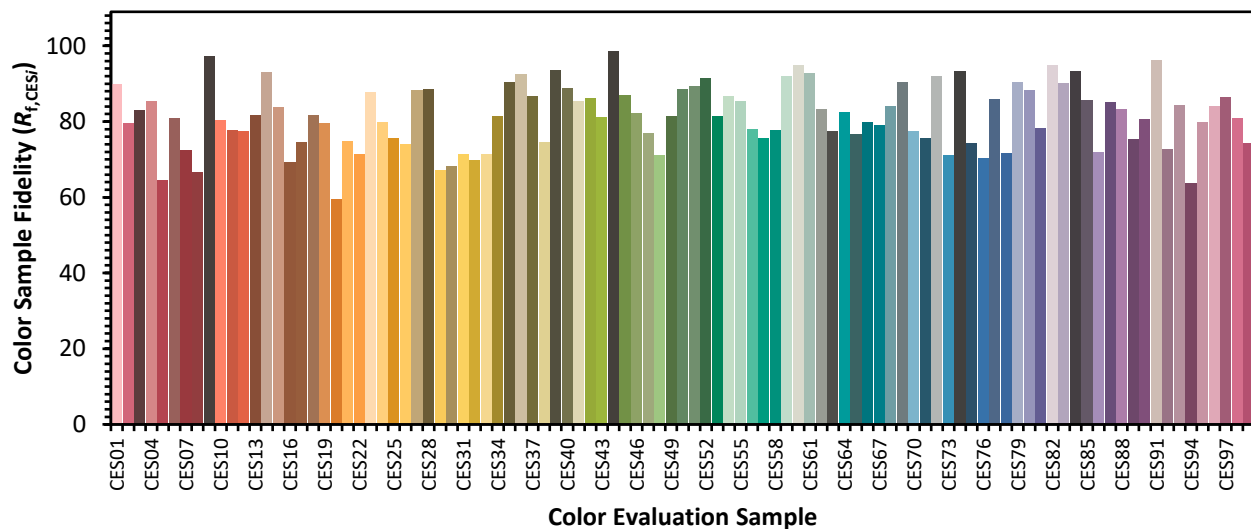


Color Vector Graphics

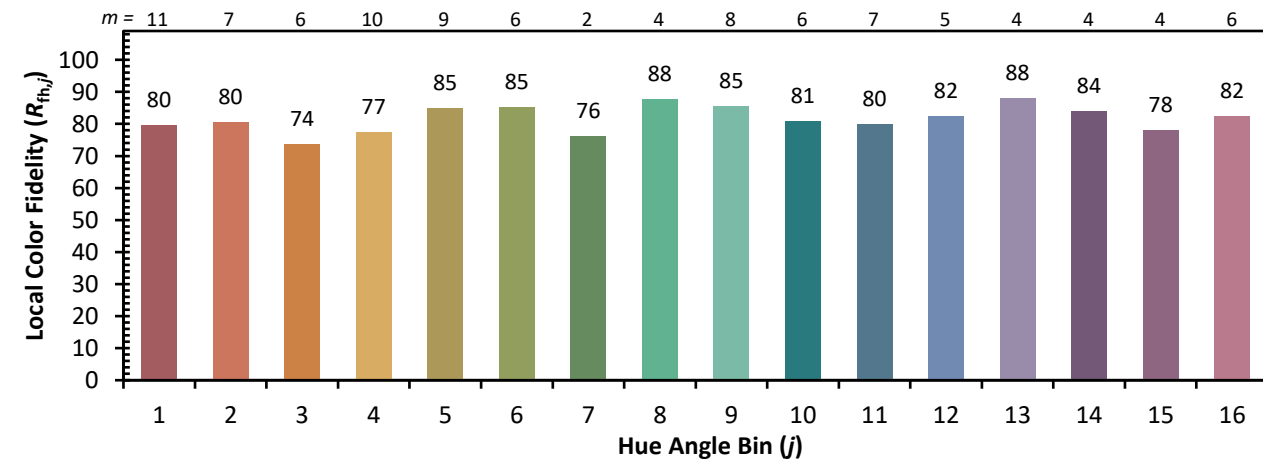
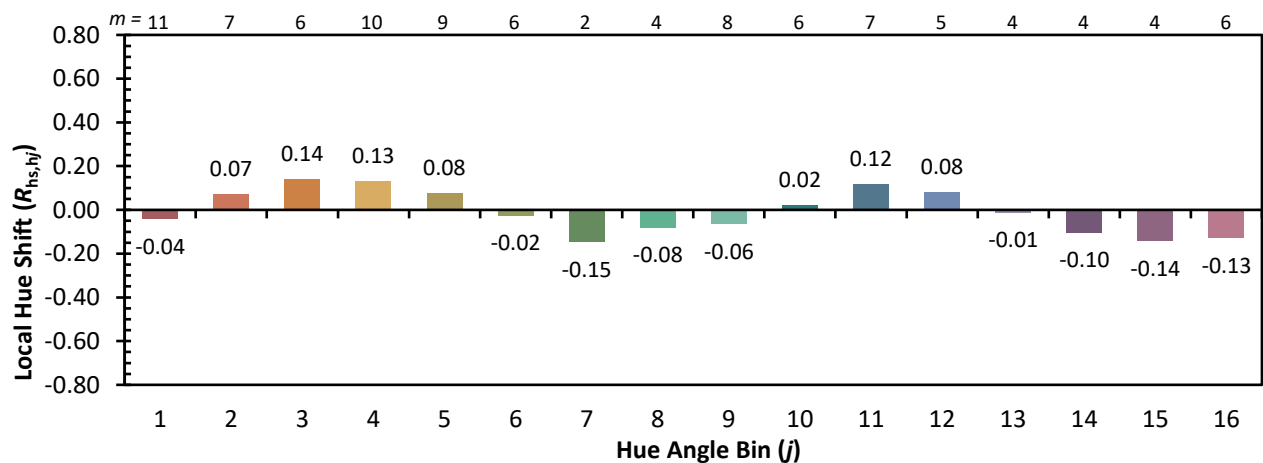
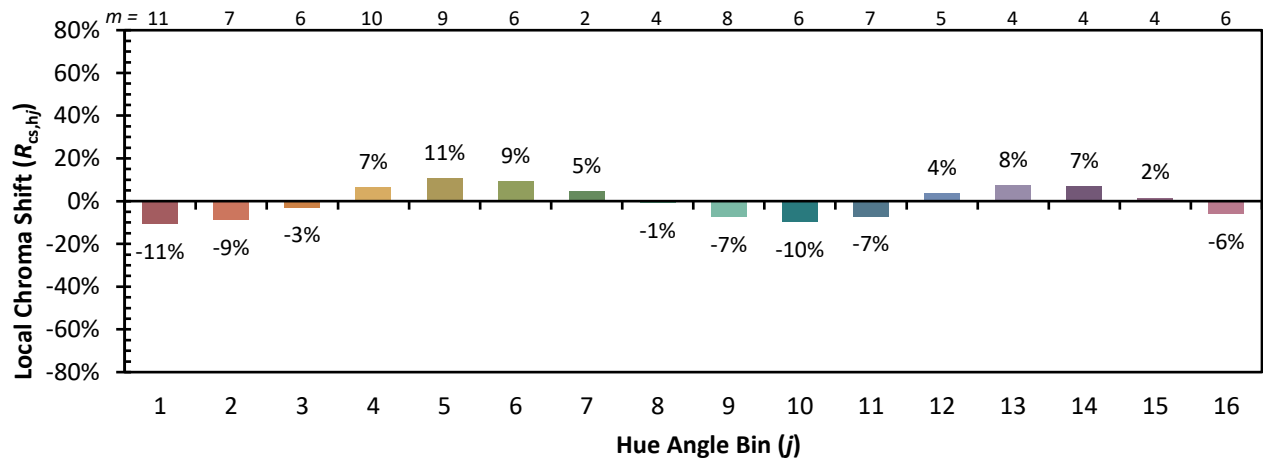


Individual Sample Fidelity Index ($R_{f,i}$)

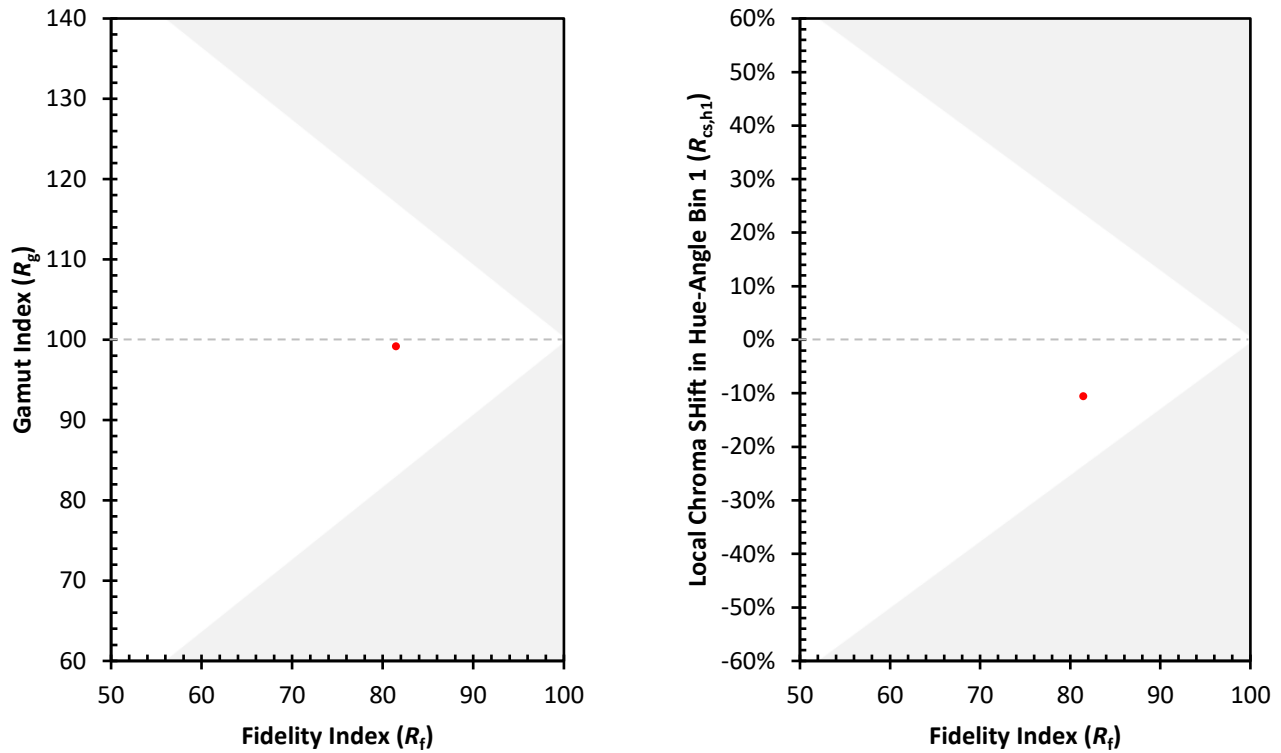
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 91	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82 = 95
CES08 = 41	CES33 = 71	CES58 = 78	CES83 = 90
CES09 = 29	CES34 = 82	CES59 = 92	CES84 = 93
CES10 = 76	CES35 = 90	CES60 = 95	CES85 = 86
CES11 = 59	CES36 = 93	CES61 = 93	CES86 = 72
CES12 = 65	CES37 = 87	CES62 = 83	CES87 = 85
CES13 = 43	CES38 = 75	CES63 = 77	CES88 = 83
CES14 = 74	CES39 = 94	CES64 = 83	CES89 = 75
CES15 = 71	CES40 = 89	CES65 = 77	CES90 = 81
CES16 = 47	CES41 = 85	CES66 = 80	CES91 = 96
CES17 = 50	CES42 = 86	CES67 = 79	CES92 = 73
CES18 = 56	CES43 = 81	CES68 = 84	CES93 = 84
CES19 = 72	CES44 = 99	CES69 = 90	CES94 = 64
CES20 = 66	CES45 = 87	CES70 = 77	CES95 = 80
CES21 = 87	CES46 = 82	CES71 = 76	CES96 = 84
CES22 = 79	CES47 = 77	CES72 = 92	CES97 = 87
CES23 = 92	CES48 = 71	CES73 = 71	CES98 = 81
CES24 = 91	CES49 = 81	CES74 = 93	CES99 = 74
CES25 = 72	CES50 = 89	CES75 = 74	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)