

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: P1049161

Luminaire Tested: **GALN-SA7A-830-U-RBC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1049161
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA7A-830-U-RBC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 615mA 7xLight Square PACKAGE
80CRI 3000K FIXTURE w/ RIGHT CORNER BACKLIGHT CONTROL
Light Source: (98) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20411.3 lumens
Efficiency: N/A
Efficacy: 105.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G3

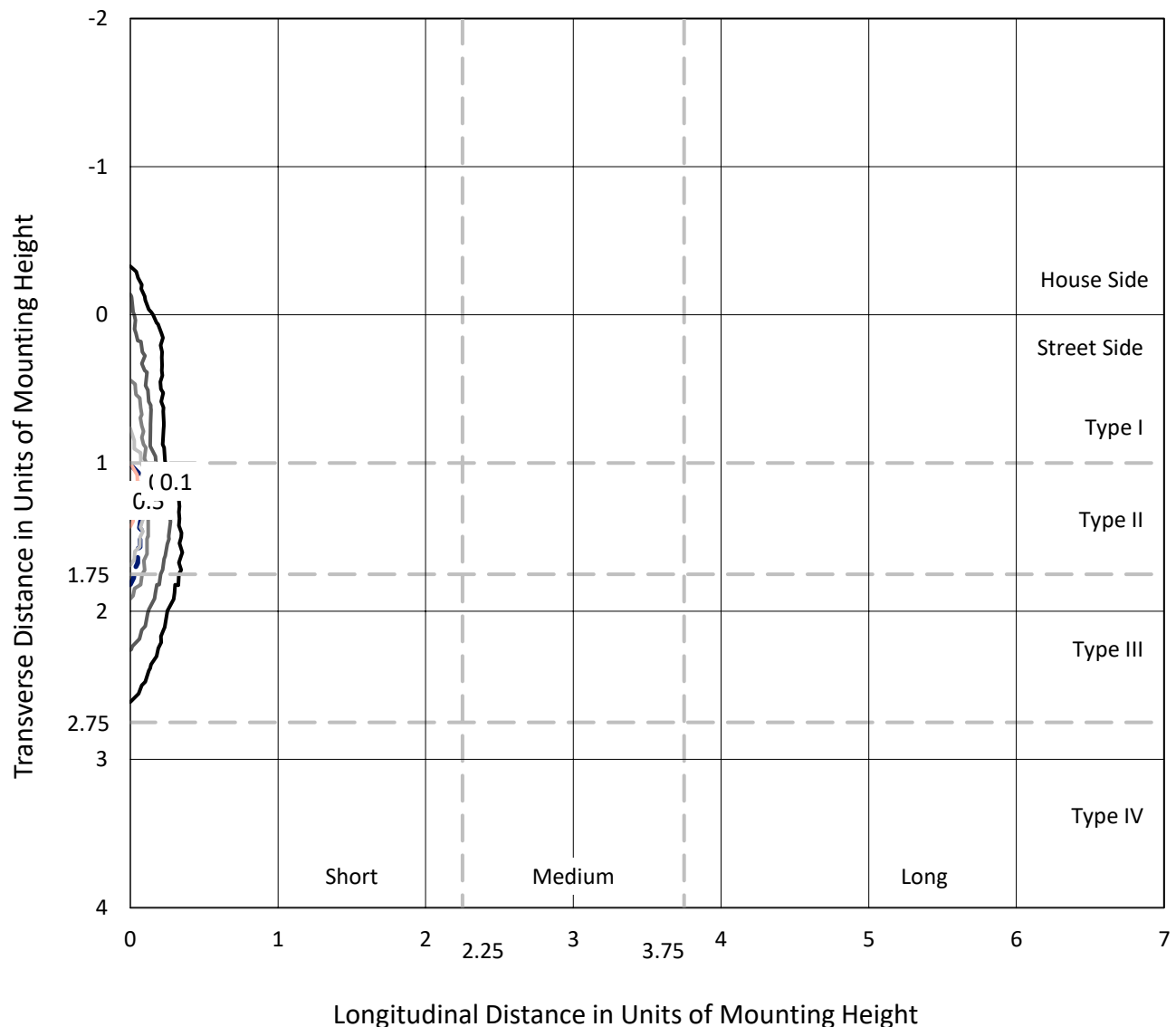
Input Watts (W): 193.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

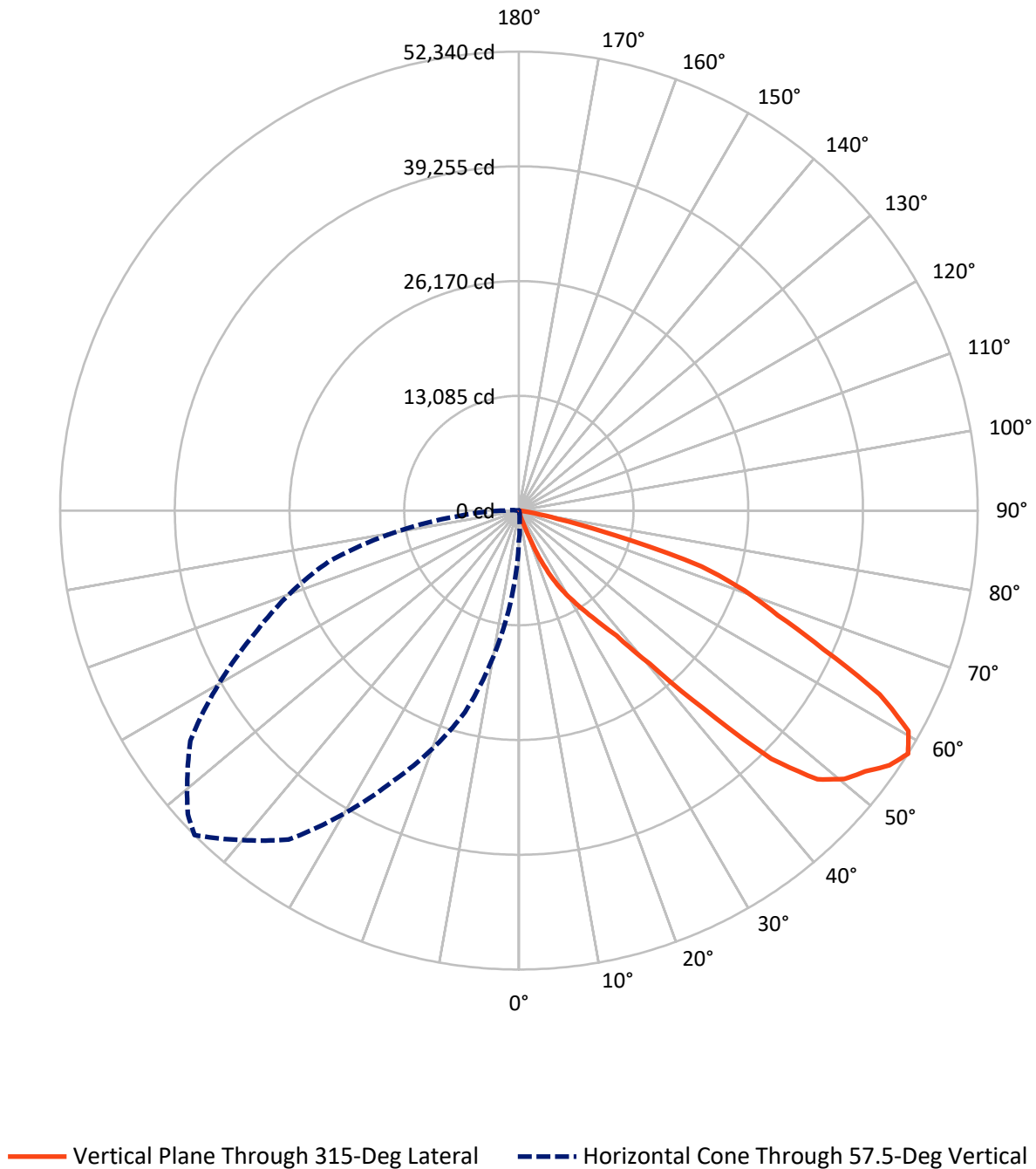
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 3 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	102.2	0.0	102.2
	% Fixture	0.5	0.0	0.5
Street Side	Lumens	20309.1	0.0	20309.1
	% Fixture	99.5	0.0	99.5
Total	Lumens	20411.3	0.0	20411.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.0	0.0
10°-20°	44.8	0.2
20°-30°	483.7	2.4
30°-40°	1430.4	7.0
40°-50°	4263.1	20.9
50°-60°	6759.7	33.1
60°-70°	5642.7	27.6
70°-80°	1740.0	8.5
80°-90°	38.7	0.2
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	20411.3	100.0
0°-180°	20411.3	100.0

Coefficient of Utilization



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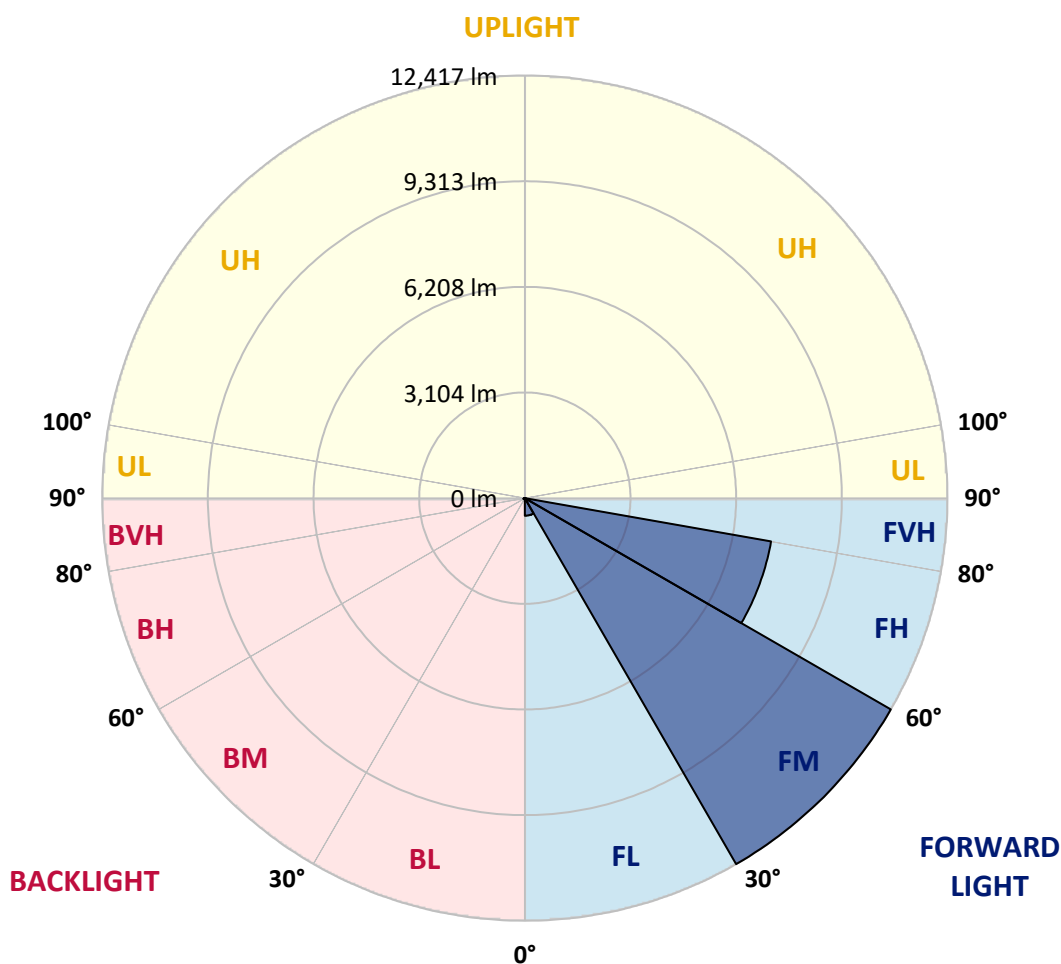
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	517.8	2.5			
FM	(30°-60°)	12416.7	60.8			
FH	(60°-80°)	7344.6	36.0			G3/7500
FVH	(80°-90°)	29.9	0.1			G1/100
BL	(0°-30°)	18.8	0.1	B0/110		
BM	(30°-60°)	36.5	0.2	B0/220		
BH	(60°-80°)	38.1	0.2	B0/110		G0/110
BVH	(80°-90°)	8.8	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G3

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°
0°	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
2.5°	81.8	81.8	81.8	81.8	80.2	80.2	78.7	78.7	77.1	77.1
5°	86.4	86.4	84.8	83.3	83.3	81.8	80.2	78.7	78.7	77.1
7.5°	94.1	92.5	91.0	89.5	86.4	84.8	81.8	80.2	78.7	75.6
10°	103.3	100.3	97.2	94.1	91.0	87.9	84.8	83.3	80.2	78.7
12.5°	115.7	111.1	104.9	100.3	97.2	92.5	89.5	86.4	81.8	78.7
15°	126.5	120.3	112.6	106.4	101.8	95.6	91.0	86.4	83.3	78.7
17.5°	141.9	131.1	118.8	111.1	104.9	97.2	89.5	84.8	80.2	74.0
20°	168.1	146.5	123.4	114.1	104.9	95.6	86.4	80.2	75.6	69.4
22.5°	209.8	172.8	135.7	121.9	109.5	95.6	83.3	77.1	71.0	64.8
25°	290.0	223.7	157.3	138.8	120.3	101.8	83.3	75.6	69.4	61.7
27.5°	385.6	286.9	186.6	160.4	135.7	109.5	83.3	74.0	66.3	57.1
30°	482.8	351.7	219.0	185.1	151.2	117.2	83.3	72.5	63.2	52.4
32.5°	575.3	411.8	246.8	206.7	166.6	124.9	84.8	72.5	60.2	47.8
35°	669.4	461.2	251.4	209.8	168.1	124.9	83.3	69.4	57.1	43.2
37.5°	789.7	516.7	242.2	200.5	160.4	118.8	78.7	66.3	54.0	40.1
40°	971.8	609.3	246.8	203.6	160.4	117.2	74.0	61.7	50.9	38.6
42.5°	1308.0	788.2	266.8	217.5	168.1	117.2	67.9	57.1	47.8	37.0
45°	2261.2	1309.6	357.9	283.8	209.8	135.7	61.7	52.4	44.7	35.5
47.5°	3740.5	2191.8	643.2	496.7	351.7	205.1	60.2	52.4	44.7	35.5
50°	4773.9	2791.9	809.8	623.2	436.5	249.9	63.2	54.0	46.3	37.0
52.5°	4766.2	2835.0	902.3	692.6	484.3	274.6	66.3	57.1	49.4	40.1
55°	4237.1	2579.0	919.3	706.4	495.1	282.3	71.0	61.7	52.4	43.2
57.5°	3541.5	2190.3	839.1	649.4	461.2	271.5	81.8	71.0	61.7	50.9
60°	2801.1	1727.6	654.0	516.7	381.0	243.7	108.0	94.1	81.8	67.9
62.5°	1934.2	1252.5	570.7	458.1	347.1	234.5	123.4	109.5	97.2	83.3
65°	1368.2	942.4	515.2	419.5	325.5	229.8	134.2	118.8	104.9	89.5
67.5°	1022.7	749.6	475.1	393.3	311.6	229.8	148.1	129.6	112.6	94.1
70°	783.6	615.4	445.8	379.4	314.7	248.3	182.0	155.8	131.1	104.9
72.5°	638.6	526.0	411.8	364.0	316.2	268.4	220.6	186.6	152.7	117.2
75°	529.1	450.4	371.7	331.6	293.1	253.0	212.9	182.0	152.7	121.9
77.5°	351.7	320.8	288.4	265.3	242.2	217.5	194.4	168.1	143.4	117.2
80°	123.4	118.8	114.1	123.4	132.7	141.9	151.2	132.7	115.7	97.2
82.5°	18.5	17.0	15.4	17.0	18.5	20.1	21.6	23.1	24.7	26.2
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°	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
0.0	2.5°	75.6	75.6	74.0	74.0	74.0	72.5	72.5	71.0	71.0	71.0
0.0	5°	74.0	74.0	72.5	71.0	69.4	69.4	67.9	66.3	66.3	64.8
0.0	7.5°	72.5	71.0	69.4	67.9	66.3	64.8	63.2	61.7	61.7	60.2
0.0	10°	74.0	71.0	69.4	66.3	64.8	63.2	60.2	58.6	57.1	57.1
0.0	12.5°	71.0	69.4	66.3	63.2	61.7	58.6	57.1	54.0	52.4	52.4
0.0	15°	71.0	67.9	63.2	60.2	57.1	55.5	52.4	49.4	47.8	46.3
0.0	17.5°	66.3	63.2	58.6	55.5	52.4	49.4	46.3	43.2	41.6	40.1
0.0	20°	60.2	57.1	52.4	47.8	44.7	41.6	38.6	35.5	33.9	32.4
0.0	22.5°	54.0	50.9	46.3	41.6	38.6	35.5	30.8	27.8	26.2	23.1
0.0	25°	50.9	46.3	41.6	37.0	32.4	29.3	24.7	20.1	17.0	13.9
0.0	27.5°	43.2	38.6	33.9	29.3	24.7	20.1	15.4	10.8	7.7	6.2
0.0	30°	37.0	32.4	27.8	23.1	17.0	12.3	7.7	1.5	1.5	1.5
0.0	32.5°	30.8	26.2	20.1	15.4	12.3	7.7	4.6	0.0	0.0	0.0
0.0	35°	24.7	20.1	13.9	9.3	7.7	4.6	3.1	0.0	0.0	0.0
0.0	37.5°	21.6	17.0	10.8	4.6	3.1	3.1	1.5	0.0	0.0	0.0
0.0	40°	20.1	13.9	7.7	1.5	1.5	1.5	0.0	0.0	0.0	0.0
0.0	42.5°	20.1	13.9	6.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	20.1	13.9	6.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	20.1	13.9	6.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	21.6	15.4	7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	24.7	18.5	12.3	6.2	4.6	3.1	1.5	0.0	0.0	0.0
0.0	55°	30.8	27.8	23.1	20.1	15.4	10.8	4.6	0.0	0.0	0.0
0.0	57.5°	40.1	40.1	38.6	37.0	27.8	18.5	9.3	0.0	0.0	0.0
0.0	60°	54.0	54.0	54.0	54.0	40.1	27.8	13.9	0.0	0.0	0.0
0.0	62.5°	66.3	63.2	58.6	55.5	41.6	27.8	13.9	0.0	0.0	0.0
0.0	65°	66.3	60.2	52.4	44.7	33.9	23.1	10.8	0.0	0.0	0.0
0.0	67.5°	61.7	49.4	35.5	23.1	17.0	12.3	6.2	0.0	0.0	0.0
	70°	61.7	43.2	24.7	6.2	4.6	3.1	1.5	0.0	0.0	0.0
	72.5°	61.7	41.6	20.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	75°	67.9	46.3	23.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	77.5°	67.9	46.3	23.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	80°	60.2	40.1	20.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	82.5°	20.1	13.9	6.2	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):

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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°	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
0.0	2.5°	69.4	69.4	69.4	67.9	67.9	67.9	67.9	66.3	66.3	66.3
0.0	5°	63.2	63.2	61.7	61.7	60.2	60.2	58.6	58.6	57.1	57.1
0.0	7.5°	58.6	57.1	57.1	55.5	54.0	54.0	52.4	52.4	50.9	49.4
0.0	10°	54.0	52.4	52.4	50.9	49.4	47.8	47.8	46.3	44.7	43.2
0.0	12.5°	49.4	47.8	46.3	44.7	43.2	41.6	41.6	40.1	38.6	37.0
0.0	15°	43.2	41.6	40.1	38.6	37.0	35.5	35.5	33.9	32.4	30.8
0.0	17.5°	37.0	35.5	35.5	33.9	32.4	30.8	29.3	26.2	24.7	23.1
0.0	20°	27.8	26.2	24.7	23.1	21.6	18.5	17.0	13.9	10.8	9.3
0.0	22.5°	18.5	15.4	13.9	10.8	7.7	6.2	4.6	1.5	0.0	0.0
0.0	25°	6.2	4.6	3.1	1.5	0.0	0.0	0.0	0.0	0.0	0.0
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	32.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CATALOG NUMBER: GALN-SA7A-830-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049161

CATALOG NUMBER: GALN-SA7A-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°	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
0.0	2.5°	64.8	64.8	64.8	63.2	63.2	63.2	63.2	63.2	63.2	63.2
0.0	5°	55.5	55.5	55.5	54.0	54.0	52.4	52.4	52.4	50.9	50.9
0.0	7.5°	47.8	46.3	46.3	44.7	44.7	43.2	43.2	43.2	41.6	41.6
0.0	10°	40.1	38.6	38.6	37.0	37.0	35.5	35.5	33.9	33.9	32.4
0.0	12.5°	35.5	33.9	32.4	30.8	30.8	29.3	27.8	27.8	26.2	24.7
0.0	15°	27.8	26.2	24.7	23.1	21.6	20.1	18.5	18.5	17.0	15.4
0.0	17.5°	18.5	15.4	13.9	12.3	12.3	10.8	9.3	7.7	6.2	4.6
0.0	20°	4.6	3.1	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	32.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1049161

CATALOG NUMBER: GALN-SA7A-830-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049161

CATALOG NUMBER: GALN-SA7A-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°	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
0.0	2.5°	63.2	61.7	61.7	61.7	63.2	63.2	63.2	63.2	63.2	63.2
0.0	5°	50.9	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
0.0	7.5°	41.6	40.1	40.1	40.1	40.1	38.6	38.6	38.6	38.6	38.6
0.0	10°	32.4	30.8	30.8	30.8	30.8	29.3	29.3	29.3	29.3	29.3
0.0	12.5°	23.1	23.1	21.6	21.6	21.6	20.1	20.1	20.1	20.1	18.5
0.0	15°	13.9	12.3	10.8	10.8	10.8	9.3	9.3	9.3	9.3	7.7
0.0	17.5°	3.1	3.1	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0
0.0	20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	32.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CATALOG NUMBER: GALN-SA7A-830-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]

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CATALOG NUMBER: GALN-SA7A-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°	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
0.0	2.5°	64.8	64.8	66.3	66.3	67.9	71.0	72.5	74.0	77.1	80.2
0.0	5°	50.9	52.4	52.4	54.0	55.5	57.1	58.6	60.2	63.2	66.3
0.0	7.5°	40.1	40.1	41.6	41.6	43.2	46.3	47.8	49.4	52.4	57.1
0.0	10°	30.8	30.8	32.4	32.4	33.9	37.0	38.6	40.1	43.2	47.8
0.0	12.5°	20.1	21.6	21.6	23.1	24.7	27.8	29.3	30.8	33.9	37.0
0.0	15°	9.3	10.8	10.8	12.3	13.9	17.0	18.5	20.1	23.1	27.8
0.0	17.5°	1.5	1.5	3.1	3.1	4.6	6.2	7.7	9.3	13.9	17.0
0.0	20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	6.2
0.0	22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
0.0	25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	32.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049161

CATALOG NUMBER: GALN-SA7A-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°	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
0.0	2.5°	84.8	87.9	91.0	94.1	97.2	100.3	101.8	104.9	106.4	108.0
0.0	5°	72.5	75.6	80.2	83.3	86.4	89.5	92.5	94.1	95.6	97.2
0.0	7.5°	63.2	66.3	71.0	74.0	77.1	80.2	83.3	86.4	87.9	89.5
0.0	10°	54.0	58.6	61.7	66.3	69.4	72.5	75.6	78.7	81.8	83.3
0.0	12.5°	43.2	47.8	52.4	55.5	60.2	64.8	67.9	71.0	74.0	77.1
0.0	15°	33.9	38.6	43.2	46.3	50.9	55.5	60.2	63.2	66.3	69.4
0.0	17.5°	24.7	29.3	33.9	37.0	41.6	46.3	49.4	54.0	57.1	60.2
0.0	20°	12.3	17.0	21.6	26.2	30.8	35.5	38.6	43.2	46.3	49.4
0.0	22.5°	1.5	6.2	10.8	13.9	18.5	23.1	26.2	30.8	33.9	37.0
0.0	25°	0.0	1.5	4.6	6.2	7.7	10.8	13.9	17.0	20.1	23.1
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	1.5	3.1	6.2	9.3	12.3
0.0	30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1
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	1.5
	82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	3.1
	85°	0.0	0.0	0.0	0.0	0.0	3.1	4.6	7.7	9.3	10.8
	87.5°	0.0	1.5	3.1	4.6	6.2	9.3	12.3	15.4	17.0	18.5
	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1049161

CATALOG NUMBER: GALN-SA7A-830-U-RBC

CANDELA DISTRIBUTION (continued):

190°		165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°
89.5	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
108.0	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
98.7	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
91.0	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
86.4	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
78.7	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
64.8	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.4	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40.1	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27.8	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.4	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.6	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0											
0.0											
0.0											
0.0											
1.5											
6.2											
13.9											
20.1											
0.0											
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REPORT NUMBER: P1049161

CATALOG NUMBER: GALN-SA7A-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°	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
0.0	2.5°	109.5	109.5	109.5	109.5	108.0	108.0	108.0	106.4	106.4	104.9
0.0	5°	100.3	101.8	101.8	101.8	101.8	101.8	101.8	101.8	100.3	100.3
0.0	7.5°	92.5	94.1	95.6	95.6	97.2	97.2	97.2	95.6	95.6	94.1
0.0	10°	87.9	89.5	89.5	91.0	91.0	91.0	91.0	91.0	91.0	91.0
0.0	12.5°	81.8	83.3	84.8	84.8	86.4	86.4	86.4	86.4	84.8	84.8
0.0	15°	74.0	77.1	78.7	80.2	80.2	81.8	81.8	81.8	81.8	81.8
0.0	17.5°	67.9	71.0	72.5	74.0	74.0	75.6	75.6	77.1	77.1	77.1
0.0	20°	55.5	58.6	60.2	63.2	64.8	66.3	67.9	69.4	69.4	71.0
0.0	22.5°	43.2	46.3	47.8	50.9	52.4	54.0	55.5	57.1	58.6	60.2
0.0	25°	30.8	33.9	35.5	38.6	40.1	41.6	43.2	44.7	44.7	46.3
0.0	27.5°	17.0	20.1	23.1	24.7	27.8	29.3	30.8	32.4	33.9	35.5
0.0	30°	7.7	9.3	10.8	13.9	15.4	17.0	18.5	21.6	23.1	24.7
0.0	32.5°	0.0	0.0	1.5	4.6	6.2	7.7	9.3	10.8	10.8	12.3
0.0	35°	0.0	0.0	0.0	0.0	0.0	0.0	1.5	3.1	4.6	6.2
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°	3.1	3.1	3.1	4.6	4.6	4.6	4.6	4.6	4.6	4.6
	82.5°	7.7	9.3	10.8	10.8	12.3	12.3	12.3	12.3	10.8	10.8
	85°	15.4	17.0	18.5	18.5	20.1	20.1	20.1	20.1	20.1	20.1
	87.5°	21.6	23.1	24.7	24.7	26.2	26.2	26.2	26.2	26.2	26.2
	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1049161

CATALOG NUMBER: GALN-SA7A-830-U-RBC

CANDELA DISTRIBUTION (continued):

217.5°		192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°
89.5	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
104.9	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100.3	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
94.1	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
91.0	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
84.8	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
81.8	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.1	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
69.4	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60.2	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.8	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
26.2	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.4	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.3	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.1	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.1	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.5	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.5	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.5	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.5	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.5	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0											
0.0											
0.0											
0.0											
4.6											
10.8											
20.1											
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REPORT NUMBER: P1049161

CATALOG NUMBER: GALN-SA7A-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°	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
0.0	2.5°	103.3	103.3	101.8	101.8	101.8	101.8	101.8	103.3	104.9	104.9
0.0	5°	98.7	98.7	97.2	97.2	97.2	98.7	98.7	100.3	101.8	103.3
0.0	7.5°	94.1	92.5	92.5	94.1	94.1	95.6	95.6	97.2	98.7	100.3
0.0	10°	91.0	89.5	89.5	89.5	91.0	91.0	92.5	94.1	95.6	97.2
0.0	12.5°	84.8	84.8	84.8	84.8	86.4	86.4	87.9	89.5	92.5	94.1
0.0	15°	81.8	80.2	80.2	80.2	80.2	81.8	81.8	84.8	87.9	89.5
0.0	17.5°	75.6	75.6	74.0	74.0	75.6	75.6	77.1	80.2	83.3	84.8
0.0	20°	69.4	67.9	66.3	66.3	67.9	67.9	69.4	72.5	75.6	77.1
0.0	22.5°	60.2	58.6	58.6	58.6	58.6	60.2	60.2	63.2	67.9	71.0
0.0	25°	47.8	49.4	49.4	50.9	50.9	52.4	54.0	57.1	61.7	64.8
0.0	27.5°	37.0	38.6	38.6	41.6	43.2	44.7	46.3	50.9	55.5	58.6
0.0	30°	27.8	29.3	30.8	32.4	35.5	38.6	41.6	46.3	50.9	54.0
0.0	32.5°	17.0	20.1	21.6	24.7	27.8	30.8	33.9	38.6	44.7	49.4
0.0	35°	12.3	13.9	17.0	18.5	21.6	24.7	27.8	33.9	38.6	44.7
0.0	37.5°	6.2	9.3	12.3	15.4	18.5	21.6	24.7	30.8	37.0	41.6
0.0	40°	4.6	7.7	9.3	12.3	17.0	20.1	23.1	29.3	35.5	41.6
0.0	42.5°	3.1	4.6	6.2	10.8	13.9	18.5	23.1	29.3	35.5	41.6
0.0	45°	3.1	3.1	4.6	9.3	13.9	20.1	24.7	30.8	35.5	41.6
0.0	47.5°	3.1	4.6	6.2	12.3	15.4	20.1	24.7	29.3	35.5	40.1
0.0	50°	4.6	6.2	7.7	13.9	17.0	21.6	24.7	30.8	35.5	41.6
0.0	52.5°	3.1	4.6	6.2	12.3	17.0	23.1	27.8	33.9	40.1	44.7
0.0	55°	1.5	1.5	1.5	9.3	18.5	26.2	35.5	40.1	46.3	50.9
0.0	57.5°	0.0	0.0	0.0	6.2	18.5	29.3	40.1	46.3	52.4	57.1
0.0	60°	0.0	0.0	0.0	6.2	18.5	29.3	40.1	47.8	55.5	63.2
0.0	62.5°	0.0	0.0	0.0	6.2	15.4	24.7	33.9	46.3	60.2	72.5
0.0	65°	0.0	0.0	0.0	4.6	12.3	20.1	27.8	46.3	64.8	81.8
0.0	67.5°	0.0	0.0	0.0	4.6	12.3	18.5	26.2	46.3	64.8	84.8
	70°	0.0	0.0	0.0	4.6	12.3	20.1	27.8	46.3	64.8	83.3
	72.5°	0.0	0.0	0.0	4.6	13.9	21.6	30.8	46.3	61.7	77.1
	75°	0.0	0.0	0.0	6.2	13.9	23.1	32.4	46.3	60.2	72.5
	77.5°	0.0	0.0	0.0	4.6	13.9	21.6	30.8	44.7	58.6	71.0
	80°	4.6	3.1	3.1	7.7	13.9	20.1	26.2	40.1	55.5	69.4
	82.5°	9.3	9.3	7.7	10.8	13.9	18.5	23.1	35.5	49.4	61.7
	85°	18.5	18.5	17.0	18.5	18.5	20.1	21.6	27.8	33.9	40.1
	87.5°	24.7	24.7	23.1	23.1	23.1	21.6	21.6	21.6	21.6	20.1
	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

245°		220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°
89.5	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
106.4	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
104.9	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
101.8	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
98.7	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95.6	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.9	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80.2	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
74.0	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.9	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
63.2	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58.6	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
54.0	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49.4	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.8	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.8	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.8	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
46.3	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44.7	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
46.3	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50.9	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55.5	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
63.2	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
71.0	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
84.8	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100.3	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
103.3	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
101.8											
92.5											
86.4											
84.8											
83.3											
74.0											
46.3											
20.1											
0.0											
0.0											
0.0											
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0.0											

REPORT NUMBER: P1049161

CATALOG NUMBER: GALN-SA7A-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°	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
0.0	2.5°	108.0	109.5	109.5	111.1	112.6	114.1	114.1	115.7	115.7	115.7
0.0	5°	106.4	109.5	111.1	112.6	114.1	115.7	117.2	118.8	120.3	120.3
0.0	7.5°	104.9	106.4	109.5	111.1	114.1	115.7	118.8	120.3	121.9	123.4
0.0	10°	101.8	104.9	108.0	111.1	114.1	117.2	120.3	123.4	126.5	128.0
0.0	12.5°	98.7	103.3	106.4	109.5	114.1	118.8	121.9	126.5	129.6	132.7
0.0	15°	97.2	100.3	104.9	108.0	114.1	120.3	124.9	131.1	137.3	141.9
0.0	17.5°	92.5	98.7	103.3	108.0	114.1	121.9	128.0	134.2	143.4	152.7
0.0	20°	86.4	91.0	97.2	101.8	111.1	118.8	128.0	135.7	149.6	163.5
0.0	22.5°	80.2	86.4	91.0	97.2	108.0	117.2	128.0	137.3	160.4	182.0
0.0	25°	74.0	81.8	87.9	94.1	106.4	118.8	131.1	143.4	182.0	220.6
0.0	27.5°	71.0	77.1	84.8	91.0	106.4	123.4	138.8	154.2	215.9	276.1
0.0	30°	66.3	74.0	80.2	87.9	108.0	128.0	148.1	168.1	262.2	356.3
0.0	32.5°	61.7	69.4	77.1	84.8	111.1	137.3	162.0	188.2	311.6	433.4
0.0	35°	57.1	66.3	74.0	81.8	115.7	151.2	185.1	219.0	356.3	492.0
0.0	37.5°	55.5	64.8	72.5	80.2	117.2	152.7	189.7	225.2	360.9	496.7
0.0	40°	57.1	64.8	74.0	81.8	112.6	143.4	172.8	203.6	345.5	485.9
0.0	42.5°	57.1	66.3	75.6	84.8	109.5	134.2	158.9	183.6	340.9	498.2
0.0	45°	55.5	64.8	74.0	83.3	106.4	128.0	151.2	172.8	368.6	563.0
0.0	47.5°	54.0	63.2	72.5	81.8	104.9	128.0	151.2	174.3	476.6	777.4
0.0	50°	54.0	63.2	71.0	78.7	106.4	135.7	163.5	191.3	694.1	1195.4
0.0	52.5°	57.1	64.8	71.0	77.1	109.5	143.4	175.8	208.2	882.3	1554.8
0.0	55°	61.7	66.3	72.5	77.1	117.2	155.8	195.9	234.5	939.4	1644.3
0.0	57.5°	67.9	72.5	77.1	81.8	131.1	180.5	228.3	277.6	944.0	1608.8
0.0	60°	75.6	81.8	86.4	91.0	143.4	197.4	249.9	302.3	854.5	1405.2
0.0	62.5°	92.5	100.3	106.4	114.1	165.0	214.4	265.3	314.7	709.5	1104.4
0.0	65°	106.4	112.6	118.8	124.9	174.3	225.2	274.6	323.9	601.6	879.2
0.0	67.5°	109.5	115.7	120.3	126.5	177.4	228.3	277.6	328.5	515.2	700.3
	70°	111.1	118.8	128.0	135.7	188.2	240.6	291.5	344.0	456.6	569.2
	72.5°	106.4	121.9	135.7	149.6	199.0	246.8	296.2	344.0	424.2	504.4
	75°	106.4	128.0	148.1	168.1	205.1	240.6	277.6	313.1	374.8	436.5
	77.5°	112.6	140.4	168.1	195.9	217.5	237.5	259.1	279.2	319.3	359.4
	80°	112.6	141.9	169.7	199.0	208.2	219.0	228.3	237.5	242.2	246.8
	82.5°	97.2	120.3	143.4	166.6	155.8	145.0	134.2	123.4	115.7	106.4
	85°	49.4	54.0	57.1	60.2	55.5	50.9	46.3	41.6	38.6	33.9
	87.5°	20.1	20.1	18.5	18.5	18.5	18.5	17.0	17.0	17.0	17.0
	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

REPORT NUMBER: P1049161

CATALOG NUMBER: GALN-SA7A-830-U-RBC

CANDELA DISTRIBUTION (continued):

272.5°		247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°
89.5	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115.7	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120.3	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
124.9	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
131.1	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.3	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
149.6	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165.0	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
189.7	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
242.2	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
328.5	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
456.6	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
618.5	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
772.8	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
877.7	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
956.3	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1035.0	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1189.2	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1497.7	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2282.8	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3496.8	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4402.2	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4502.4	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4062.8	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3473.6	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2714.7	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2051.5	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1514.7	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1072.0											
797.5											
580.0											
436.5											
245.3											
111.1											
32.4											
15.4											
0.0											
0.0											
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REPORT NUMBER: P1049161

CATALOG NUMBER: GALN-SA7A-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°	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
0.0	2.5°	115.7	114.1	114.1	112.6	111.1	109.5	108.0	106.4	104.9	103.3
0.0	5°	120.3	120.3	120.3	118.8	118.8	117.2	117.2	115.7	114.1	112.6
0.0	7.5°	124.9	126.5	126.5	128.0	128.0	128.0	128.0	126.5	126.5	126.5
0.0	10°	132.7	134.2	135.7	137.3	138.8	140.4	140.4	141.9	141.9	141.9
0.0	12.5°	141.9	146.5	149.6	154.2	157.3	162.0	165.0	169.7	172.8	175.8
0.0	15°	155.8	163.5	172.8	180.5	188.2	199.0	211.3	222.1	232.9	249.9
0.0	17.5°	175.8	200.5	225.2	248.3	273.0	327.0	381.0	433.4	487.4	566.1
0.0	20°	214.4	288.4	360.9	435.0	507.5	697.2	885.4	1075.1	1263.3	1465.3
0.0	22.5°	300.8	482.8	664.8	846.8	1028.8	1425.2	1820.1	2216.5	2611.4	3075.7
0.0	25°	436.5	771.2	1105.9	1439.1	1773.8	2393.9	3015.5	3635.6	4255.7	4858.8
0.0	27.5°	635.5	1147.6	1659.7	2170.2	2682.3	3523.0	4365.2	5205.8	6046.5	6728.2
0.0	30°	880.7	1574.9	2269.0	2963.1	3657.2	4613.5	5569.8	6524.6	7480.9	8225.9
0.0	32.5°	1112.1	1962.0	2811.9	3660.3	4510.2	5599.1	6689.7	7778.6	8867.6	9682.0
0.0	35°	1263.3	2290.6	3319.4	4346.7	5373.9	6552.4	7730.8	8907.7	10086.2	11016.3
0.0	37.5°	1414.4	2600.6	3785.2	4971.4	6156.0	7450.1	8744.2	10038.3	11332.5	12481.6
0.0	40°	1584.1	2975.4	4365.2	5756.5	7146.2	8679.4	10211.1	11744.3	13276.0	14897.1
0.0	42.5°	1878.7	3597.0	5316.9	7035.2	8753.5	10781.8	12810.1	14836.9	16865.3	19179.0
0.0	45°	2432.5	4854.1	7277.3	9699.0	12120.7	14807.6	17496.1	20183.1	22870.1	25948.8
0.0	47.5°	3788.3	7120.0	10450.2	13781.9	17112.1	20013.4	22913.3	25814.6	28714.5	31780.9
0.0	50°	5796.6	9674.3	13552.1	17428.3	21306.0	23931.3	26555.0	29180.3	31804.0	34720.8
0.0	52.5°	7249.6	11289.3	15330.5	19370.2	23409.9	25779.2	28149.9	30519.1	32888.4	35613.9
0.0	55°	7359.1	11375.7	15393.8	19410.3	23426.9	25806.9	28186.9	30567.0	32947.0	35836.0
0.0	57.5°	6515.4	10499.5	14482.2	18466.4	22449.0	25159.1	27867.7	30577.8	33286.3	36409.8
0.0	60°	5542.1	9527.8	13512.0	17497.7	21481.9	24603.8	27727.3	30849.2	33971.2	36897.2
0.0	62.5°	4323.5	8423.4	12524.8	16624.7	20724.5	23894.3	27064.0	30232.3	33402.0	35596.9
0.0	65°	3222.2	7203.3	11184.4	15163.9	19145.0	21683.9	24222.8	26760.2	29299.1	30658.0
0.0	67.5°	2329.1	5762.6	9194.6	12628.1	16060.1	17877.1	19694.2	21509.6	23326.7	24366.3
	70°	1574.9	3953.3	6330.3	8708.7	11085.7	12578.8	14073.4	15566.5	17059.6	18463.3
	72.5°	1090.5	2426.3	3763.6	5099.4	6435.2	7937.5	9438.3	10940.7	12441.5	13926.9
	75°	723.4	1331.1	1940.4	2548.1	3155.9	4268.0	5381.6	6493.8	7605.9	8491.3
	77.5°	513.6	695.7	879.2	1061.2	1243.2	1451.5	1661.2	1869.5	2077.7	2393.9
	80°	243.7	266.8	290.0	311.6	334.7	410.3	485.9	561.5	637.0	717.2
	82.5°	115.7	124.9	134.2	141.9	151.2	158.9	166.6	174.3	182.0	174.3
	85°	30.8	30.8	32.4	32.4	32.4	32.4	32.4	32.4	32.4	30.8
	87.5°	13.9	13.9	13.9	13.9	13.9	13.9	13.9	12.3	12.3	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



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CATALOG NUMBER: GALN-SA7A-830-U-RBC

CANDELA DISTRIBUTION (continued):

300°		275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°
89.5	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
101.8	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
111.1	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
124.9	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
143.4	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.4	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
268.4	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
643.2	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1668.9	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3539.9	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5461.9	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7410.0	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8972.5	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10498.0	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11946.4	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13632.3	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16518.2	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21492.7	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29027.6	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34847.3	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37637.6	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38339.4	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38726.6	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39533.3	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39821.7	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37793.4	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32018.4	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25407.4	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19865.4											
15412.3											
9376.6											
2710.1											
797.5											
165.0											
29.3											
10.8											
0.0											
0.0											
0.0											
0.0											
0.0											
0.0											
0.0											
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0.0											

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CATALOG NUMBER: GALN-SA7A-830-U-RBC

CANDELA DISTRIBUTION (continued):

300°		302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°
0.0	0°	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
0.0	2.5°	100.3	98.7	97.2	95.6	94.1	91.0	91.0	89.5	89.5
0.0	5°	109.5	108.0	106.4	104.9	104.9	103.3	101.8	101.8	100.3
0.0	7.5°	124.9	123.4	121.9	120.3	120.3	118.8	118.8	117.2	117.2
0.0	10°	143.4	143.4	143.4	143.4	143.4	141.9	141.9	141.9	140.4
0.0	12.5°	180.5	182.0	185.1	188.2	192.8	192.8	192.8	191.3	191.3
0.0	15°	285.4	302.3	314.7	327.0	337.8	362.5	359.4	354.8	351.7
0.0	17.5°	721.9	799.0	840.6	880.7	922.4	1036.5	1018.0	999.5	982.5
0.0	20°	1871.0	2073.1	2207.3	2341.5	2477.2	2691.6	2639.2	2586.7	2534.3
0.0	22.5°	4002.7	4467.0	4669.0	4871.1	5071.6	5330.7	5162.6	4994.5	4827.9
0.0	25°	6063.4	6666.5	7007.4	7348.3	7687.6	7835.7	7616.7	7396.1	7177.1
0.0	27.5°	8091.8	8773.5	9074.3	9373.5	9674.3	9984.4	9712.9	9439.9	9168.4
0.0	30°	9717.5	10462.5	10788.0	11111.9	11437.4	11653.3	11372.6	11090.3	10809.6
0.0	32.5°	11312.4	12126.8	12483.1	12839.5	13194.2	13504.3	13158.7	12811.7	12466.2
0.0	35°	12874.9	13805.0	14295.5	14786.0	15276.5	15565.0	15154.7	14742.9	14332.6
0.0	37.5°	14781.4	15930.5	16479.7	17028.8	17577.9	18103.9	17651.9	17198.4	16746.5
0.0	40°	18139.4	19760.5	20602.7	21446.4	22288.6	22967.3	22396.5	21825.8	21255.1
0.0	42.5°	23806.4	26120.0	27330.9	28540.2	29751.0	30810.7	30210.7	29610.6	29010.6
0.0	45°	32106.3	35185.1	36661.2	38135.8	39612.0	40386.3	39522.5	38657.2	37793.4
0.0	47.5°	37912.2	40978.6	42292.8	43606.9	44921.1	45804.9	44748.4	43691.8	42636.7
0.0	50°	40552.9	43469.7	44788.5	46105.7	47424.5	48126.4	46906.3	45684.6	44464.5
0.0	52.5°	41063.4	43788.9	45362.3	46937.1	48510.4	49448.2	48007.6	46565.4	45124.7
0.0	55°	41615.6	44504.7	46329.4	48155.7	49980.4	51279.1	49650.3	48019.9	46391.1
0.0	57.5°	42655.2	45778.7	47598.8	49417.4	51237.5	52340.4	50706.9	49071.9	47438.4
0.0	60°	42747.8	45672.3	47236.4	48802.0	50366.0	51060.1	49497.6	47933.5	46371.0
0.0	62.5°	39988.3	42183.2	43269.1	44355.0	45440.9	46195.2	44564.8	42932.9	41302.5
0.0	65°	33377.3	34736.2	35601.6	36466.9	37332.2	38231.5	36738.4	35245.3	33752.1
0.0	67.5°	26447.1	27486.7	28626.5	29766.4	30906.3	31867.3	30671.9	29474.9	28279.5
	70°	21269.0	22671.1	23952.9	25234.7	26516.5	27303.1	26103.1	24901.5	23701.5
	72.5°	16897.7	18383.1	19453.5	20522.5	21592.9	21785.7	20903.4	20021.2	19140.4
	75°	10260.5	11145.8	11167.4	11187.5	11209.1	11392.6	10661.5	9930.4	9200.8
	77.5°	3026.3	3342.5	3603.2	3862.3	4123.0	4437.7	4169.3	3899.3	3631.0
	80°	876.1	956.3	1024.2	1090.5	1158.4	1118.3	1055.0	991.8	928.6
	82.5°	157.3	148.1	146.5	145.0	145.0	137.3	124.9	112.6	100.3
	85°	27.8	26.2	24.7	23.1	21.6	20.1	17.0	15.4	12.3
	87.5°	9.3	7.7	6.2	4.6	4.6	1.5	1.5	1.5	0.0
	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CATALOG NUMBER: GALN-SA7A-830-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049161

CATALOG NUMBER: GALN-SA7A-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°	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
0.0	0.0	2.5°	87.9	86.4	86.4	86.4	86.4	84.8	84.8	84.8	84.8
0.0	0.0	5°	97.2	97.2	95.6	95.6	94.1	94.1	92.5	92.5	91.0
0.0	0.0	7.5°	114.1	112.6	111.1	109.5	108.0	104.9	103.3	101.8	101.8
0.0	0.0	10°	137.3	134.2	132.7	129.6	128.0	124.9	121.9	118.8	115.7
0.0	0.0	12.5°	180.5	174.3	169.7	163.5	157.3	152.7	146.5	141.9	135.7
0.0	0.0	15°	313.1	297.7	280.7	260.7	239.1	219.0	197.4	185.1	171.2
0.0	0.0	17.5°	800.5	720.3	638.6	572.3	505.9	441.1	374.8	327.0	279.2
0.0	0.0	20°	2037.6	1815.5	1593.4	1374.3	1153.8	934.7	714.2	603.1	492.0
0.0	0.0	22.5°	3834.6	3422.7	3009.3	2609.8	2208.8	1809.3	1409.8	1158.4	908.5
0.0	0.0	25°	5918.4	5400.2	4881.9	4224.8	3566.2	2909.1	2252.0	1843.2	1434.5
0.0	0.0	27.5°	7701.5	7104.6	6507.6	5708.7	4909.7	4110.7	3311.7	2702.4	2094.7
0.0	0.0	30°	9245.5	8603.9	7962.2	7032.1	6102.0	5171.9	4241.8	3479.8	2717.8
0.0	0.0	32.5°	10584.4	9816.2	9048.1	8088.7	7129.3	6169.8	5210.4	4275.7	3341.0
0.0	0.0	35°	12128.4	11232.2	10334.5	9270.2	8204.4	7140.1	6075.8	5020.7	3964.1
0.0	0.0	37.5°	14090.4	12990.6	11889.3	10703.1	9517.0	8332.4	7146.2	5940.0	4733.8
0.0	0.0	40°	17846.3	16427.2	15008.2	13501.2	11992.6	10485.7	8978.7	7497.9	6017.1
0.0	0.0	42.5°	24576.0	22658.8	20741.5	18736.3	16729.5	14724.3	12717.6	10629.1	8539.1
0.0	0.0	45°	32171.1	29792.7	27412.6	25162.2	22910.2	20659.7	18409.3	15543.4	12677.5
0.0	0.0	47.5°	36442.2	33874.0	31305.8	29175.7	27045.5	24915.4	22785.2	19695.7	16606.1
0.0	0.0	50°	38014.0	35399.5	32785.0	30824.6	28862.5	26902.1	24940.1	21845.9	18750.2
0.0	0.0	52.5°	38348.7	35681.8	33014.9	31042.0	29069.2	27098.0	25125.2	22051.0	18976.9
0.0	0.0	55°	39036.6	36175.4	33312.5	31063.6	28814.7	26565.8	24316.9	21193.4	18069.9
0.0	0.0	57.5°	39935.9	37002.1	34068.4	31506.3	28944.3	26383.8	23821.8	20406.8	16991.8
0.0	0.0	60°	39699.9	37147.1	34592.8	31848.8	29103.2	26359.1	23613.5	19857.7	16100.2
0.0	0.0	62.5°	35603.1	33570.1	31535.6	29279.0	27020.8	24764.2	22507.6	18640.7	14773.7
0.0	0.0	65°	29289.8	27806.0	26322.1	24506.6	22689.6	20874.1	19058.7	15591.2	12125.3
0.0	0.0	67.5°	23738.5	22066.5	20392.9	18946.1	17497.7	16050.9	14602.5	11873.9	9145.3
		70°	18859.7	17041.1	15221.0	13808.1	12393.7	10980.8	9567.9	7754.0	5941.6
		72.5°	14977.3	13337.7	11698.0	10191.0	8682.5	7175.5	5667.0	4595.0	3523.0
		75°	7158.6	6503.0	5847.5	5059.3	4271.1	3482.9	2694.7	2227.3	1761.5
		77.5°	2653.0	2299.8	1945.0	1624.2	1303.4	984.1	663.3	607.7	552.2
		80°	686.4	598.5	509.0	445.8	381.0	317.7	254.5	229.8	206.7
		82.5°	78.7	72.5	67.9	64.8	60.2	57.1	52.4	47.8	43.2
		85°	4.6	3.1	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



REPORT NUMBER: P1049161

CATALOG NUMBER: GALN-SA7A-830-U-RBC

CANDELA DISTRIBUTION (continued):

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REPORT NUMBER: P1049161

CATALOG NUMBER: GALN-SA7A-830-U-RBC

CANDELA DISTRIBUTION (continued):

352.5°	355°		357.5°	360°
0.0	0.0	0°	89.5	89.5
0.0	0.0	2.5°	83.3	81.8
0.0	0.0	5°	87.9	86.4
0.0	0.0	7.5°	97.2	94.1
0.0	0.0	10°	106.4	103.3
0.0	0.0	12.5°	120.3	115.7
0.0	0.0	15°	135.7	126.5
0.0	0.0	17.5°	162.0	141.9
0.0	0.0	20°	219.0	168.1
0.0	0.0	22.5°	308.5	209.8
0.0	0.0	25°	453.5	290.0
0.0	0.0	27.5°	630.9	385.6
0.0	0.0	30°	839.1	482.8
0.0	0.0	32.5°	1022.7	575.3
0.0	0.0	35°	1261.7	669.4
0.0	0.0	37.5°	1556.3	789.7
0.0	0.0	40°	2012.9	971.8
0.0	0.0	42.5°	2835.0	1308.0
0.0	0.0	45°	4604.2	2261.2
0.0	0.0	47.5°	7084.5	3740.5
0.0	0.0	50°	8667.1	4773.9
0.0	0.0	52.5°	8796.7	4766.2
0.0	0.0	55°	8030.1	4237.1
0.0	0.0	57.5°	6851.6	3541.5
0.0	0.0	60°	5694.8	2801.1
0.0	0.0	62.5°	4487.0	1934.2
0.0	0.0	65°	3279.3	1368.2
0.0	0.0	67.5°	2355.3	1022.7
		70°	1548.6	783.6
		72.5°	1008.8	638.6
		75°	678.7	529.1
		77.5°	396.4	351.7
		80°	140.4	123.4
		82.5°	26.2	18.5
		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: P1049161

CATALOG NUMBER: GALN-SA7A-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

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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

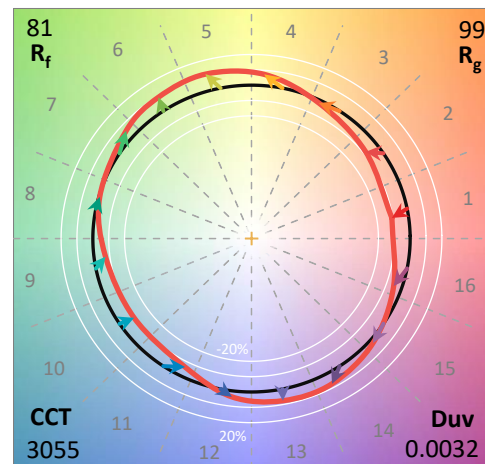
Test Information

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

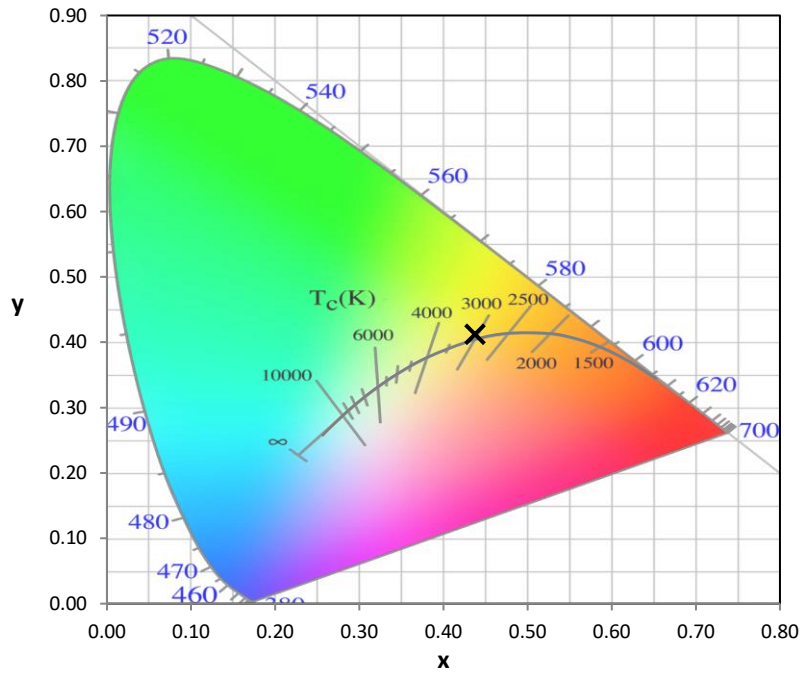
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-9

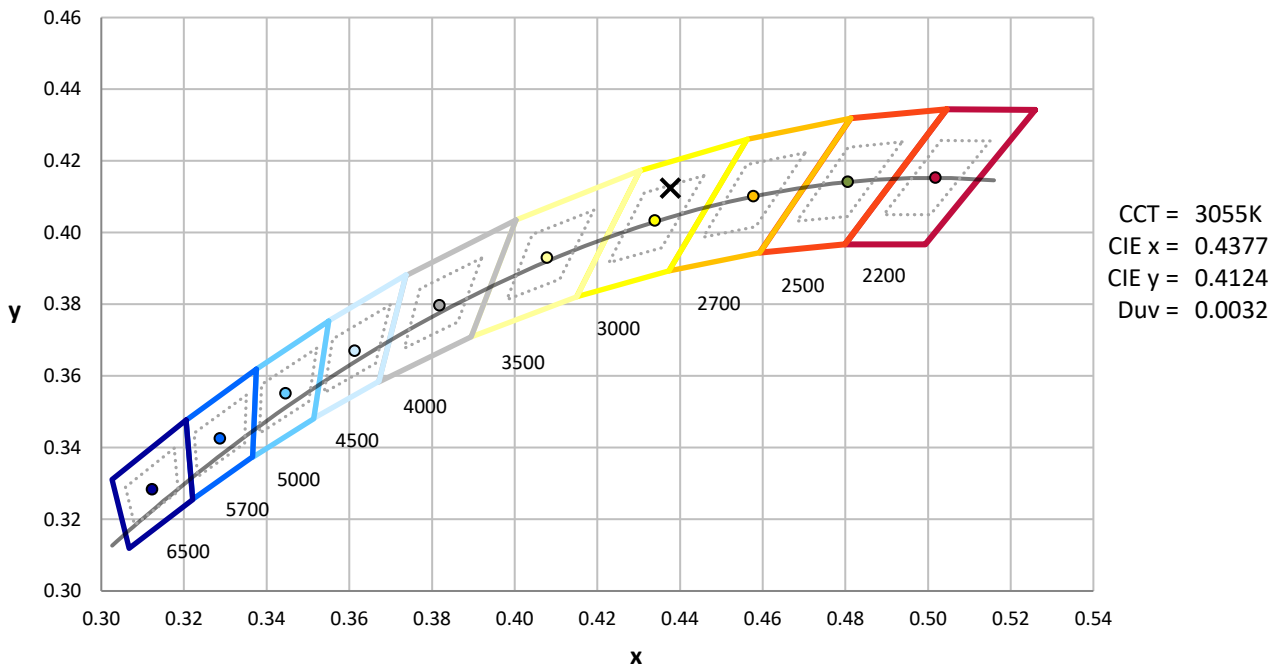
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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



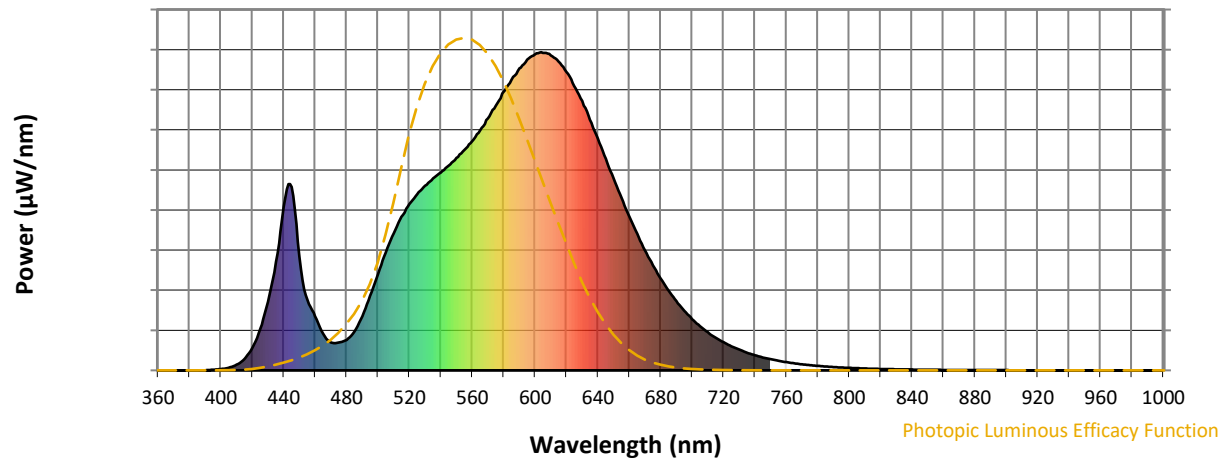
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-9

Photopic Flux vs. Wavelength

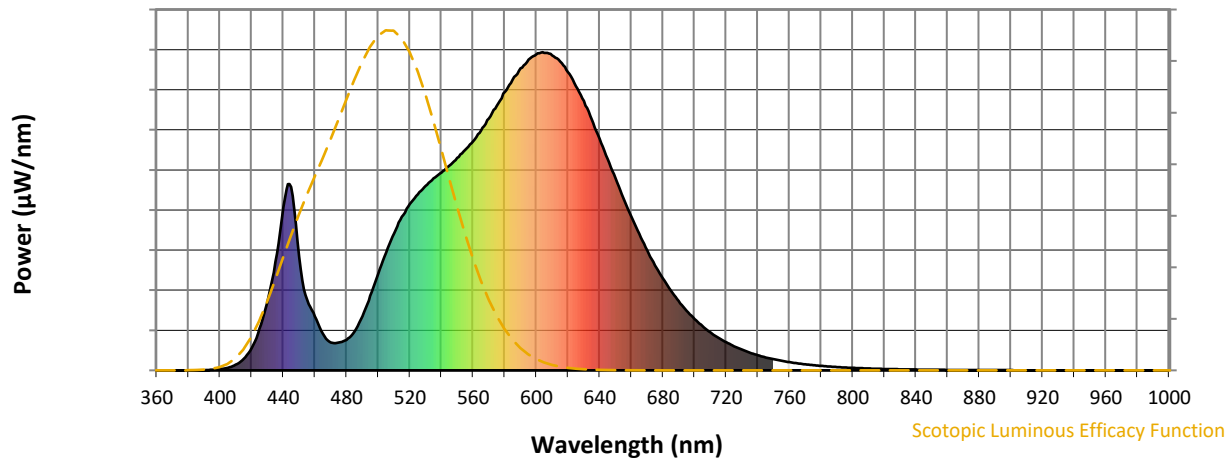


Photopic Lumens: NR

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



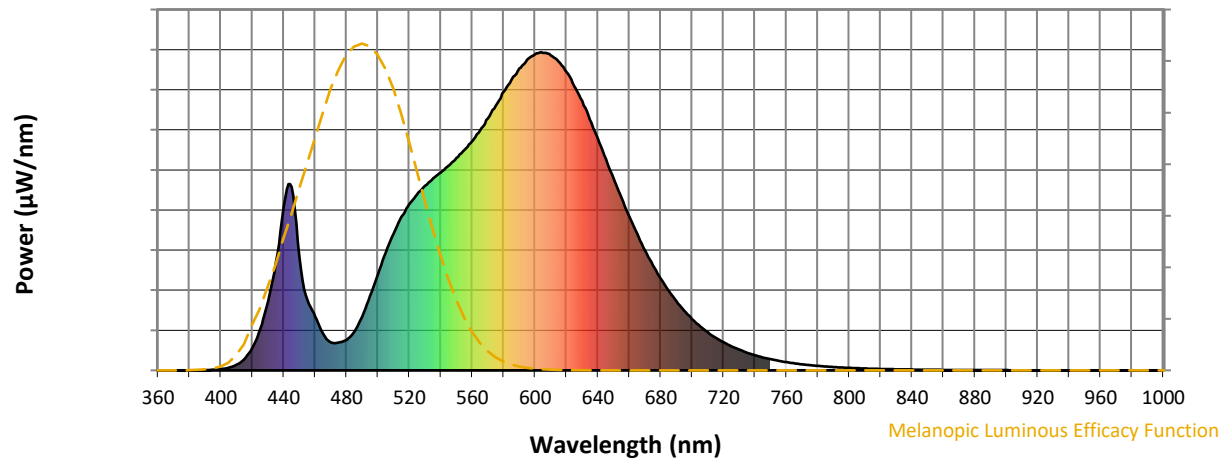
Scotopic Lumens: NR

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

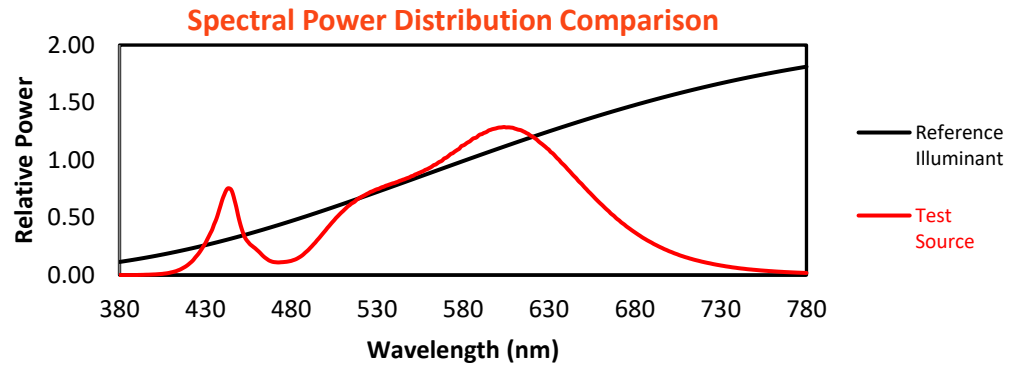
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	170	NR	620	938	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

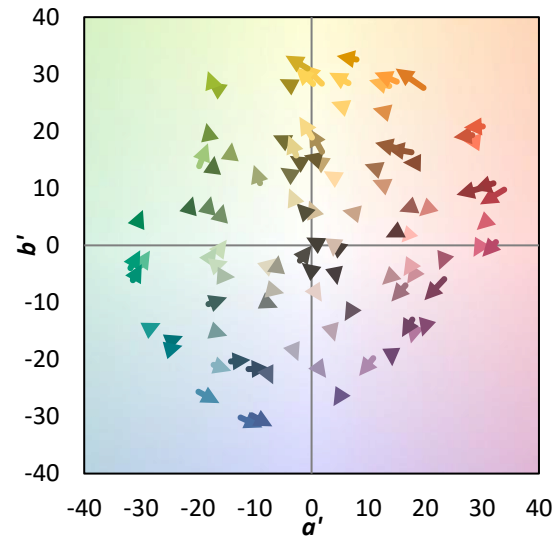
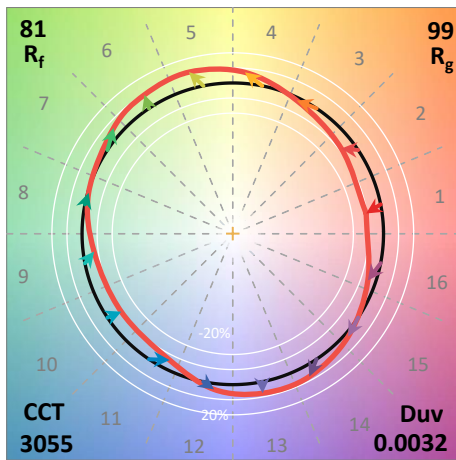
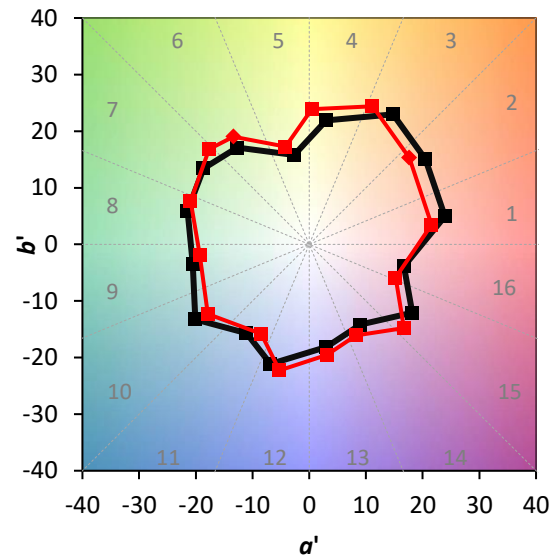
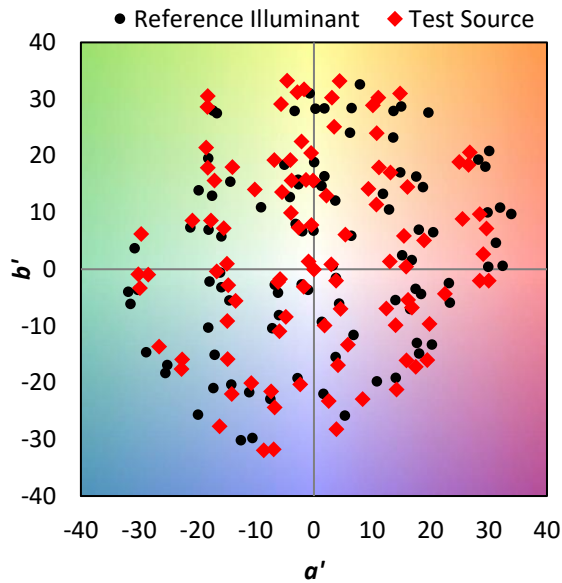
TM-30-18

Summary

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

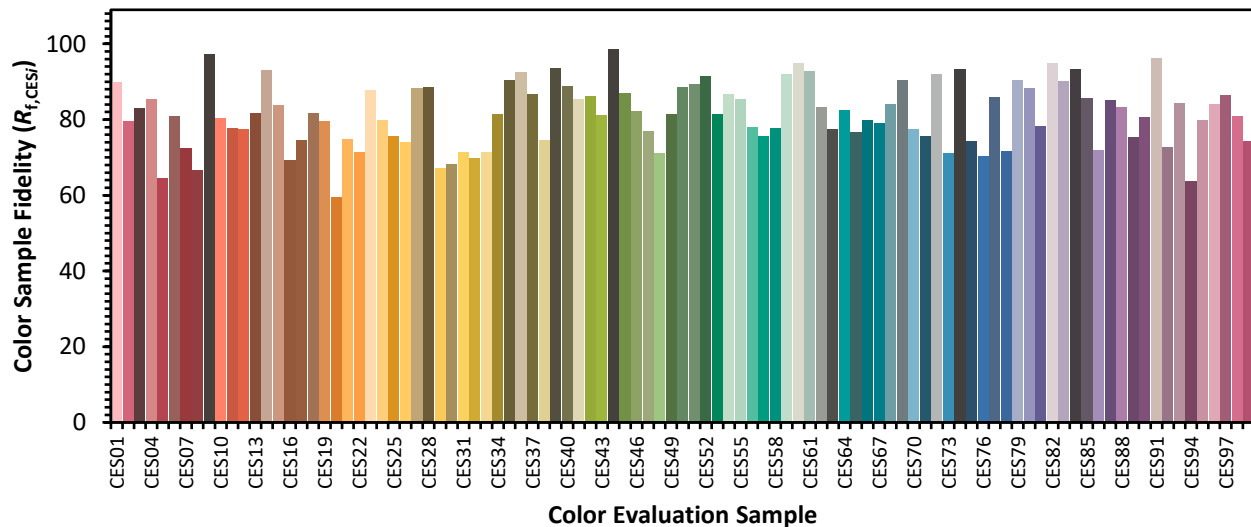


Color Vector Graphics

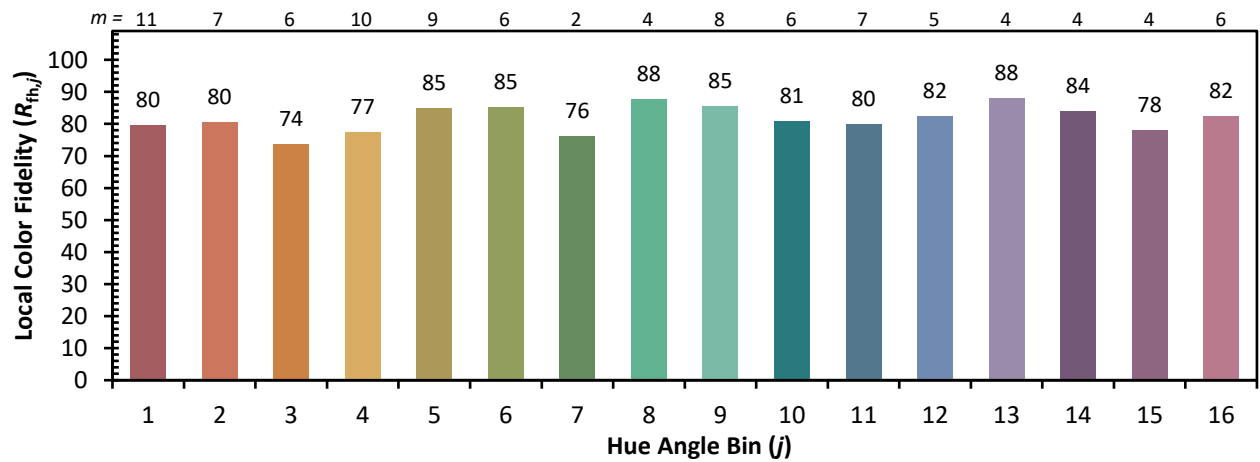
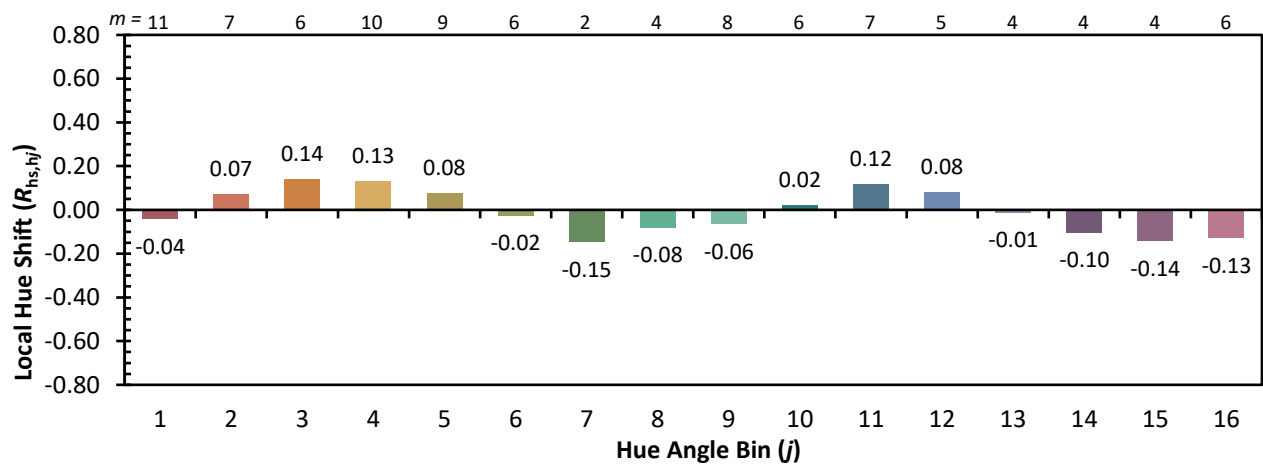
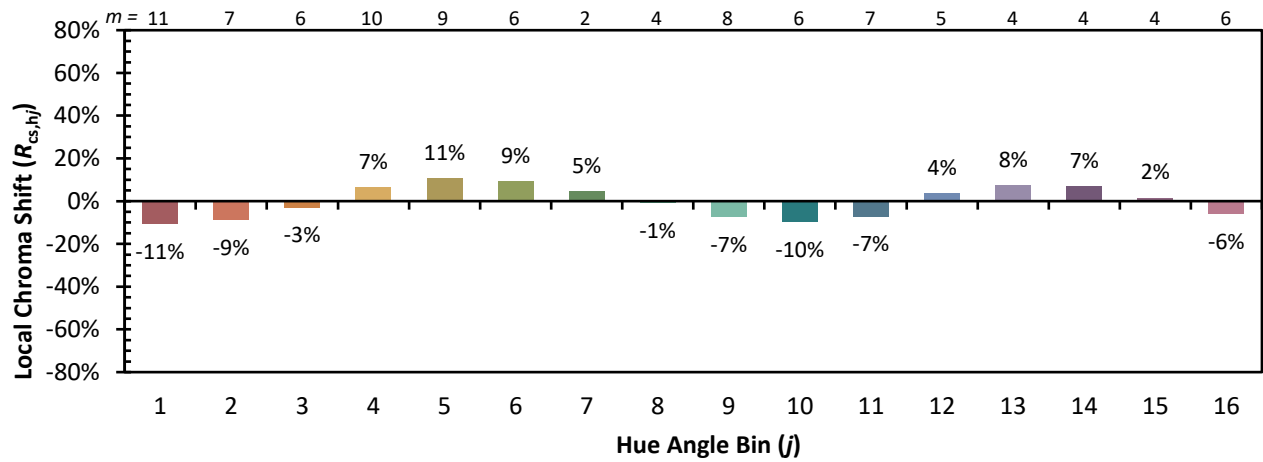


Individual Sample Fidelity Index ($R_{f,i}$)

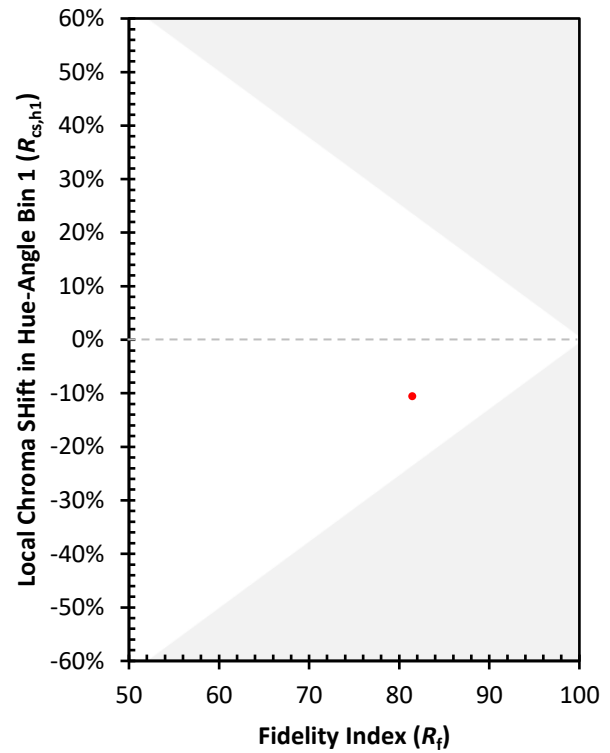
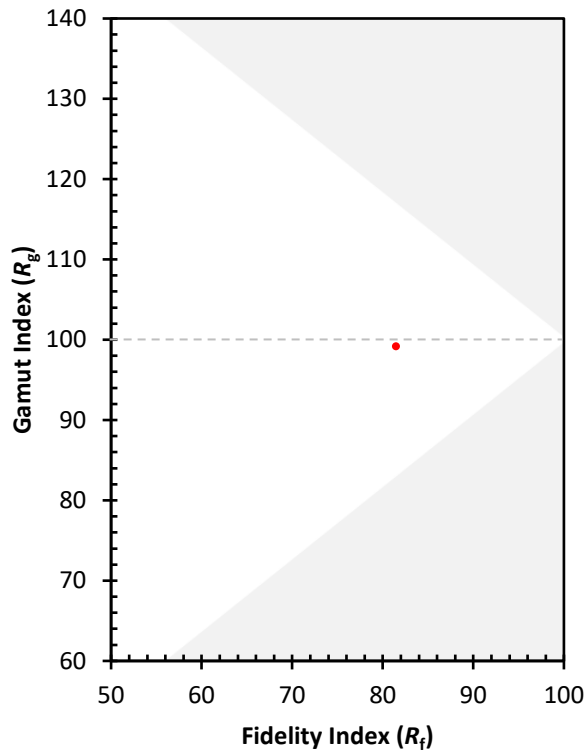
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 91	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82 = 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)