

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: P1049213

Luminaire Tested: **GALN-SA2A-840-U-RBC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1049213
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA2A-840-U-RBC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 615mA 2xLight Square PACKAGE
80CRI 4000K FIXTURE w/ RIGHT CORNER BACKLIGHT CONTROL
Light Source: (28) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6081.6 lumens
Efficiency: N/A
Efficacy: 109.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G2

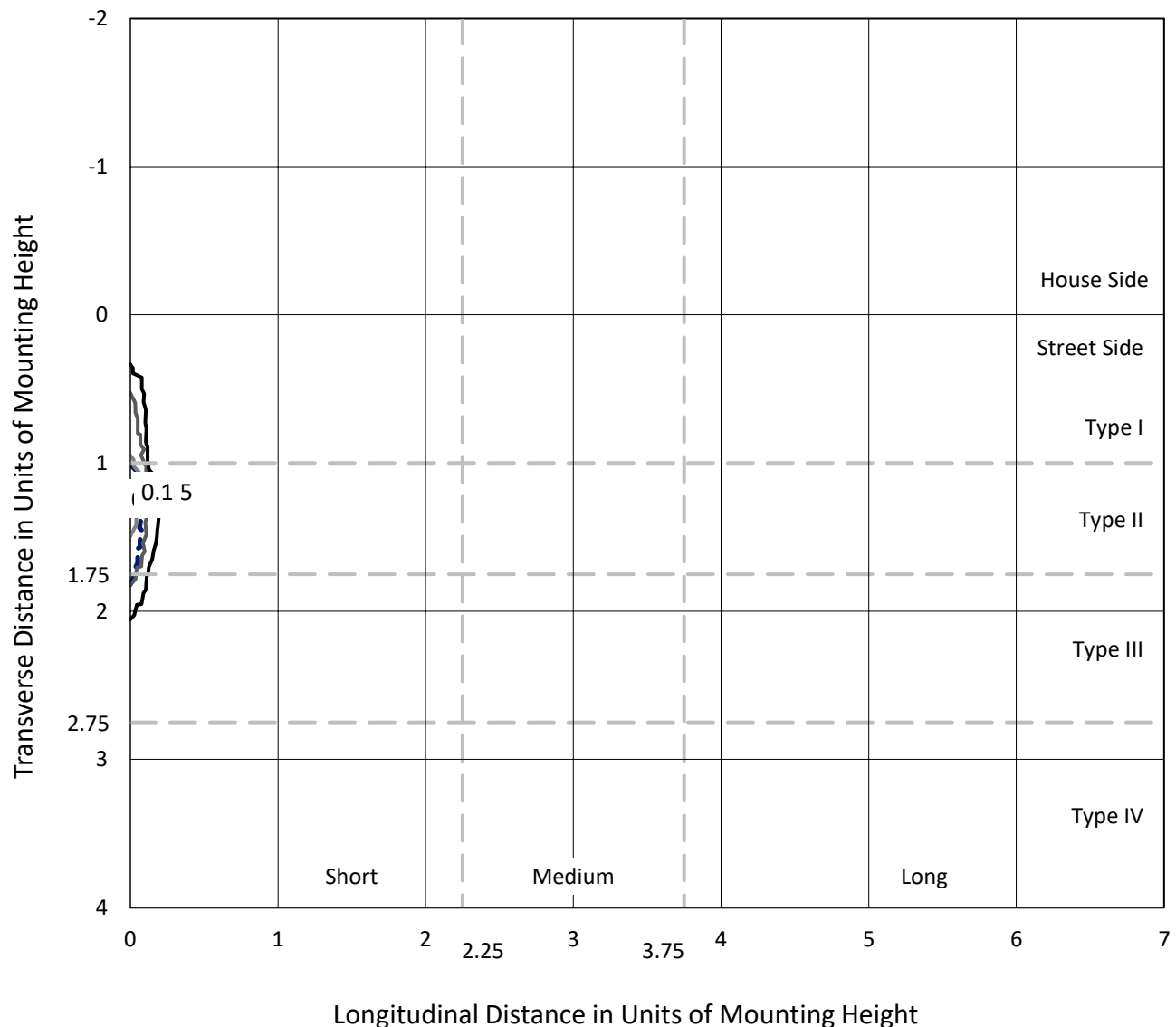
Input Watts (W): 55.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

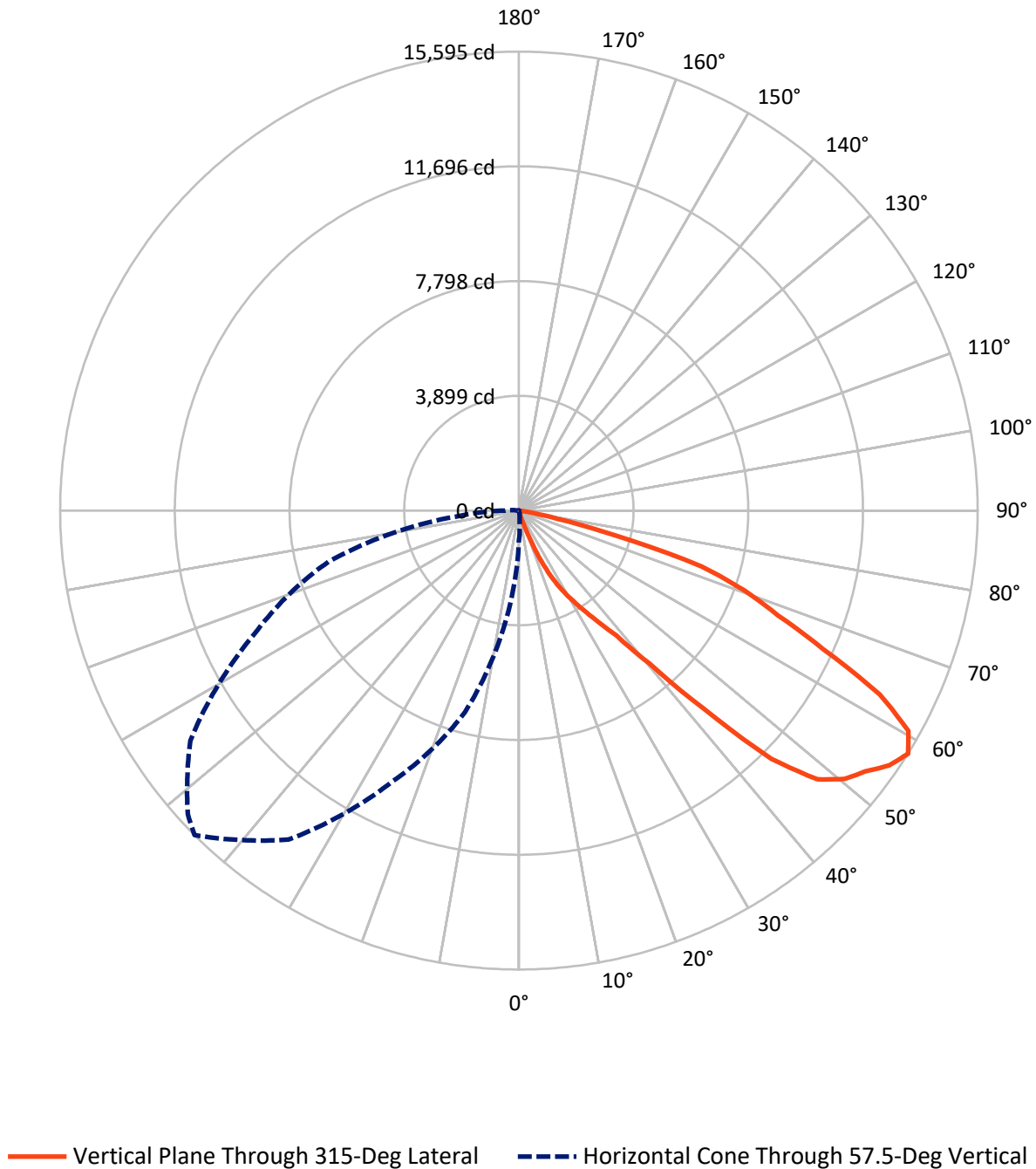
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 0.9 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	30.5	0.0	30.5
	% Fixture	0.5	0.0	0.5
Street Side	Lumens	6051.2	0.0	6051.2
	% Fixture	99.5	0.0	99.5
Total	Lumens	6081.6	0.0	6081.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.4	0.0
10°-20°	13.4	0.2
20°-30°	144.1	2.4
30°-40°	426.2	7.0
40°-50°	1270.2	20.9
50°-60°	2014.1	33.1
60°-70°	1681.3	27.6
70°-80°	518.4	8.5
80°-90°	11.5	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°	6081.6	100.0
0°-180°	6081.6	100.0

Coefficient of Utilization



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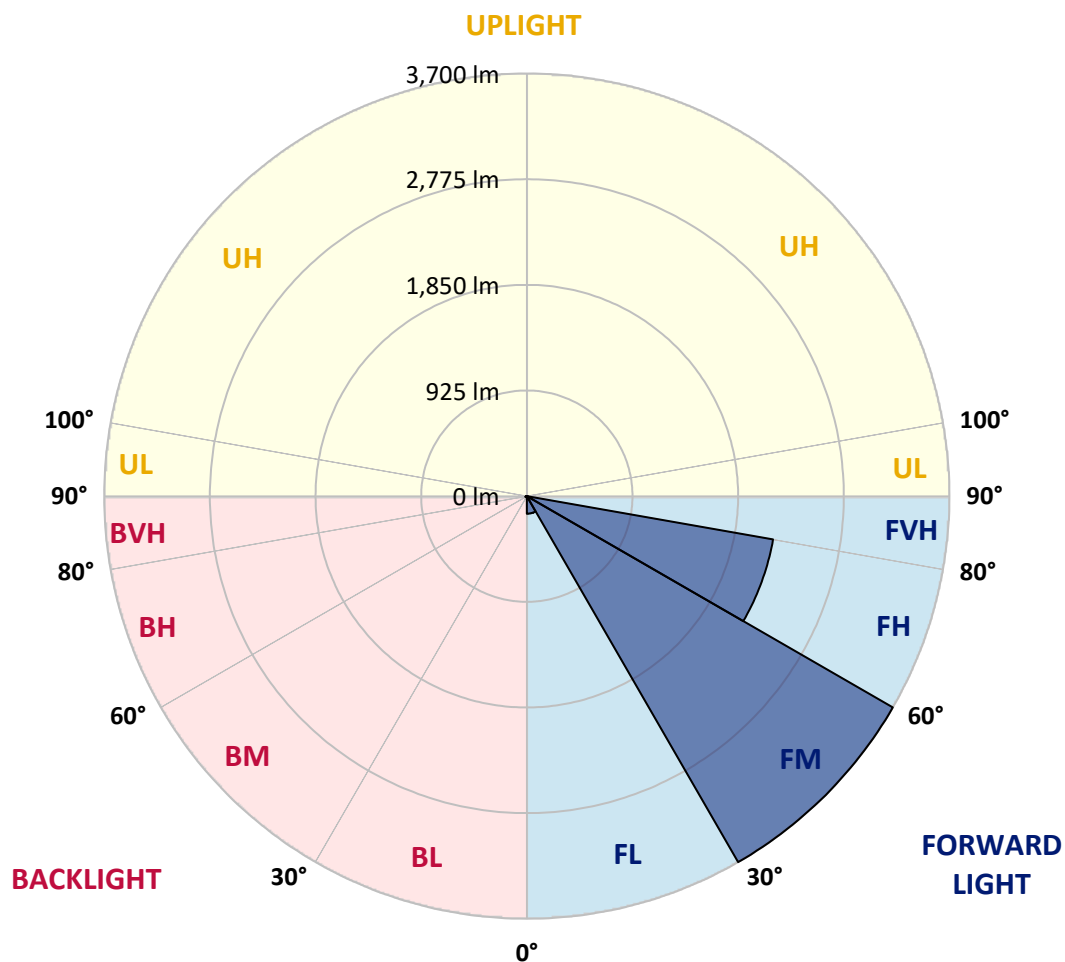
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	154.3	2.5			
FM	(30°-60°)	3699.6	60.8			
FH	(60°-80°)	2188.4	36.0			G2/5000
FVH	(80°-90°)	8.9	0.1			G0/10
BL	(0°-30°)	5.6	0.1	B0/110		
BM	(30°-60°)	10.9	0.2	B0/220		
BH	(60°-80°)	11.4	0.2	B0/110		G0/110
BVH	(80°-90°)	2.6	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°	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7
2.5°	24.4	24.4	24.4	24.4	23.9	23.9	23.4	23.4	23.0	23.0
5°	25.7	25.7	25.3	24.8	24.8	24.4	23.9	23.4	23.4	23.0
7.5°	28.0	27.6	27.1	26.7	25.7	25.3	24.4	23.9	23.4	22.5
10°	30.8	29.9	29.0	28.0	27.1	26.2	25.3	24.8	23.9	23.4
12.5°	34.5	33.1	31.3	29.9	29.0	27.6	26.7	25.7	24.4	23.4
15°	37.7	35.8	33.5	31.7	30.3	28.5	27.1	25.7	24.8	23.4
17.5°	42.3	39.1	35.4	33.1	31.3	29.0	26.7	25.3	23.9	22.1
20°	50.1	43.7	36.8	34.0	31.3	28.5	25.7	23.9	22.5	20.7
22.5°	62.5	51.5	40.4	36.3	32.6	28.5	24.8	23.0	21.1	19.3
25°	86.4	66.6	46.9	41.4	35.8	30.3	24.8	22.5	20.7	18.4
27.5°	114.9	85.5	55.6	47.8	40.4	32.6	24.8	22.1	19.8	17.0
30°	143.8	104.8	65.3	55.2	45.0	34.9	24.8	21.6	18.8	15.6
32.5°	171.4	122.7	73.5	61.6	49.6	37.2	25.3	21.6	17.9	14.2
35°	199.5	137.4	74.9	62.5	50.1	37.2	24.8	20.7	17.0	12.9
37.5°	235.3	154.0	72.2	59.7	47.8	35.4	23.4	19.8	16.1	11.9
40°	289.5	181.5	73.5	60.7	47.8	34.9	22.1	18.4	15.2	11.5
42.5°	389.7	234.8	79.5	64.8	50.1	34.9	20.2	17.0	14.2	11.0
45°	673.8	390.2	106.6	84.6	62.5	40.4	18.4	15.6	13.3	10.6
47.5°	1114.5	653.1	191.6	148.0	104.8	61.1	17.9	15.6	13.3	10.6
50°	1422.4	831.8	241.3	185.7	130.1	74.5	18.8	16.1	13.8	11.0
52.5°	1420.1	844.7	268.9	206.4	144.3	81.8	19.8	17.0	14.7	11.9
55°	1262.5	768.4	273.9	210.5	147.5	84.1	21.1	18.4	15.6	12.9
57.5°	1055.2	652.6	250.0	193.5	137.4	80.9	24.4	21.1	18.4	15.2
60°	834.6	514.7	194.9	154.0	113.5	72.6	32.2	28.0	24.4	20.2
62.5°	576.3	373.2	170.0	136.5	103.4	69.9	36.8	32.6	29.0	24.8
65°	407.7	280.8	153.5	125.0	97.0	68.5	40.0	35.4	31.3	26.7
67.5°	304.7	223.4	141.6	117.2	92.8	68.5	44.1	38.6	33.5	28.0
70°	233.5	183.4	132.8	113.1	93.8	74.0	54.2	46.4	39.1	31.3
72.5°	190.3	156.7	122.7	108.5	94.2	80.0	65.7	55.6	45.5	34.9
75°	157.6	134.2	110.8	98.8	87.3	75.4	63.4	54.2	45.5	36.3
77.5°	104.8	95.6	85.9	79.0	72.2	64.8	57.9	50.1	42.7	34.9
80°	36.8	35.4	34.0	36.8	39.5	42.3	45.0	39.5	34.5	29.0
82.5°	5.5	5.1	4.6	5.1	5.5	6.0	6.4	6.9	7.4	7.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

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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°	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7
0.0	2.5°	22.5	22.5	22.1	22.1	22.1	21.6	21.6	21.1	21.1	21.1
0.0	5°	22.1	22.1	21.6	21.1	20.7	20.7	20.2	19.8	19.8	19.3
0.0	7.5°	21.6	21.1	20.7	20.2	19.8	19.3	18.8	18.4	18.4	17.9
0.0	10°	22.1	21.1	20.7	19.8	19.3	18.8	17.9	17.5	17.0	17.0
0.0	12.5°	21.1	20.7	19.8	18.8	18.4	17.5	17.0	16.1	15.6	15.6
0.0	15°	21.1	20.2	18.8	17.9	17.0	16.5	15.6	14.7	14.2	13.8
0.0	17.5°	19.8	18.8	17.5	16.5	15.6	14.7	13.8	12.9	12.4	11.9
0.0	20°	17.9	17.0	15.6	14.2	13.3	12.4	11.5	10.6	10.1	9.7
0.0	22.5°	16.1	15.2	13.8	12.4	11.5	10.6	9.2	8.3	7.8	6.9
0.0	25°	15.2	13.8	12.4	11.0	9.7	8.7	7.4	6.0	5.1	4.1
0.0	27.5°	12.9	11.5	10.1	8.7	7.4	6.0	4.6	3.2	2.3	1.8
0.0	30°	11.0	9.7	8.3	6.9	5.1	3.7	2.3	0.5	0.5	0.5
0.0	32.5°	9.2	7.8	6.0	4.6	3.7	2.3	1.4	0.0	0.0	0.0
0.0	35°	7.4	6.0	4.1	2.8	2.3	1.4	0.9	0.0	0.0	0.0
0.0	37.5°	6.4	5.1	3.2	1.4	0.9	0.9	0.5	0.0	0.0	0.0
0.0	40°	6.0	4.1	2.3	0.5	0.5	0.5	0.0	0.0	0.0	0.0
0.0	42.5°	6.0	4.1	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	6.0	4.1	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	6.0	4.1	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	6.4	4.6	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	7.4	5.5	3.7	1.8	1.4	0.9	0.5	0.0	0.0	0.0
0.0	55°	9.2	8.3	6.9	6.0	4.6	3.2	1.4	0.0	0.0	0.0
0.0	57.5°	11.9	11.9	11.5	11.0	8.3	5.5	2.8	0.0	0.0	0.0
0.0	60°	16.1	16.1	16.1	16.1	11.9	8.3	4.1	0.0	0.0	0.0
0.0	62.5°	19.8	18.8	17.5	16.5	12.4	8.3	4.1	0.0	0.0	0.0
0.0	65°	19.8	17.9	15.6	13.3	10.1	6.9	3.2	0.0	0.0	0.0
0.0	67.5°	18.4	14.7	10.6	6.9	5.1	3.7	1.8	0.0	0.0	0.0
	70°	18.4	12.9	7.4	1.8	1.4	0.9	0.5	0.0	0.0	0.0
	72.5°	18.4	12.4	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	75°	20.2	13.8	6.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	77.5°	20.2	13.8	6.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	80°	17.9	11.9	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	82.5°	6.0	4.1	1.8	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°	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7
0.0	2.5°	20.7	20.7	20.7	20.2	20.2	20.2	20.2	19.8	19.8	19.8
0.0	5°	18.8	18.8	18.4	18.4	17.9	17.9	17.5	17.5	17.0	17.0
0.0	7.5°	17.5	17.0	17.0	16.5	16.1	16.1	15.6	15.6	15.2	14.7
0.0	10°	16.1	15.6	15.6	15.2	14.7	14.2	14.2	13.8	13.3	12.9
0.0	12.5°	14.7	14.2	13.8	13.3	12.9	12.4	12.4	11.9	11.5	11.0
0.0	15°	12.9	12.4	11.9	11.5	11.0	10.6	10.6	10.1	9.7	9.2
0.0	17.5°	11.0	10.6	10.6	10.1	9.7	9.2	8.7	7.8	7.4	6.9
0.0	20°	8.3	7.8	7.4	6.9	6.4	5.5	5.1	4.1	3.2	2.8
0.0	22.5°	5.5	4.6	4.1	3.2	2.3	1.8	1.4	0.5	0.0	0.0
0.0	25°	1.8	1.4	0.9	0.5	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



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CANDELA DISTRIBUTION (continued):

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CANDELA DISTRIBUTION (continued):

80°		82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°
0.0	0°	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7
0.0	2.5°	19.3	19.3	19.3	18.8	18.8	18.8	18.8	18.8	18.8	18.8
0.0	5°	16.5	16.5	16.5	16.1	16.1	15.6	15.6	15.6	15.2	15.2
0.0	7.5°	14.2	13.8	13.8	13.3	13.3	12.9	12.9	12.9	12.4	12.4
0.0	10°	11.9	11.5	11.5	11.0	11.0	10.6	10.6	10.1	10.1	9.7
0.0	12.5°	10.6	10.1	9.7	9.2	9.2	8.7	8.3	8.3	7.8	7.4
0.0	15°	8.3	7.8	7.4	6.9	6.4	6.0	5.5	5.5	5.1	4.6
0.0	17.5°	5.5	4.6	4.1	3.7	3.7	3.2	2.8	2.3	1.8	1.4
0.0	20°	1.4	0.9	0.5	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



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CANDELA DISTRIBUTION (continued):

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CANDELA DISTRIBUTION (continued):

107.5°		110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°
0.0	0°	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7
0.0	2.5°	18.8	18.4	18.4	18.4	18.8	18.8	18.8	18.8	18.8	18.8
0.0	5°	15.2	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
0.0	7.5°	12.4	11.9	11.9	11.9	11.9	11.5	11.5	11.5	11.5	11.5
0.0	10°	9.7	9.2	9.2	9.2	9.2	8.7	8.7	8.7	8.7	8.7
0.0	12.5°	6.9	6.9	6.4	6.4	6.4	6.0	6.0	6.0	6.0	5.5
0.0	15°	4.1	3.7	3.2	3.2	3.2	2.8	2.8	2.8	2.8	2.3
0.0	17.5°	0.9	0.9	0.5	0.5	0.5	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-SA2A-840-U-RBC

CANDELA DISTRIBUTION (continued):



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CATALOG NUMBER: GALN-SA2A-840-U-RBC

CANDELA DISTRIBUTION (continued):

135°		137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°
0.0	0°	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7
0.0	2.5°	19.3	19.3	19.8	19.8	20.2	21.1	21.6	22.1	23.0	23.9
0.0	5°	15.2	15.6	15.6	16.1	16.5	17.0	17.5	17.9	18.8	19.8
0.0	7.5°	11.9	11.9	12.4	12.4	12.9	13.8	14.2	14.7	15.6	17.0
0.0	10°	9.2	9.2	9.7	9.7	10.1	11.0	11.5	11.9	12.9	14.2
0.0	12.5°	6.0	6.4	6.4	6.9	7.4	8.3	8.7	9.2	10.1	11.0
0.0	15°	2.8	3.2	3.2	3.7	4.1	5.1	5.5	6.0	6.9	8.3
0.0	17.5°	0.5	0.5	0.9	0.9	1.4	1.8	2.3	2.8	4.1	5.1
0.0	20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.8
0.0	22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
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):

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CANDELA DISTRIBUTION (continued):

162.5°		165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°
0.0	0°	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7
0.0	2.5°	25.3	26.2	27.1	28.0	29.0	29.9	30.3	31.3	31.7	32.2
0.0	5°	21.6	22.5	23.9	24.8	25.7	26.7	27.6	28.0	28.5	29.0
0.0	7.5°	18.8	19.8	21.1	22.1	23.0	23.9	24.8	25.7	26.2	26.7
0.0	10°	16.1	17.5	18.4	19.8	20.7	21.6	22.5	23.4	24.4	24.8
0.0	12.5°	12.9	14.2	15.6	16.5	17.9	19.3	20.2	21.1	22.1	23.0
0.0	15°	10.1	11.5	12.9	13.8	15.2	16.5	17.9	18.8	19.8	20.7
0.0	17.5°	7.4	8.7	10.1	11.0	12.4	13.8	14.7	16.1	17.0	17.9
0.0	20°	3.7	5.1	6.4	7.8	9.2	10.6	11.5	12.9	13.8	14.7
0.0	22.5°	0.5	1.8	3.2	4.1	5.5	6.9	7.8	9.2	10.1	11.0
0.0	25°	0.0	0.5	1.4	1.8	2.3	3.2	4.1	5.1	6.0	6.9
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	0.5	0.9	1.8	2.8	3.7
0.0	30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
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	0.5
	82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.9
	85°	0.0	0.0	0.0	0.0	0.0	0.9	1.4	2.3	2.8	3.2
	87.5°	0.0	0.5	0.9	1.4	1.8	2.8	3.7	4.6	5.1	5.5
	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: P1049213

CATALOG NUMBER: GALN-SA2A-840-U-RBC

CANDELA DISTRIBUTION (continued):

190°		165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°
26.7	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32.2	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29.4	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27.1	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25.7	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23.4	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21.6	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19.3	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.6	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.9	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.3	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.6	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.4	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											
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0.0											
0.5											
1.8											
4.1											
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REPORT NUMBER: P1049213

CATALOG NUMBER: GALN-SA2A-840-U-RBC

CANDELA DISTRIBUTION (continued):

190°		192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°
0.0	0°	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7
0.0	2.5°	32.6	32.6	32.6	32.6	32.2	32.2	32.2	31.7	31.7	31.3
0.0	5°	29.9	30.3	30.3	30.3	30.3	30.3	30.3	30.3	29.9	29.9
0.0	7.5°	27.6	28.0	28.5	28.5	29.0	29.0	29.0	28.5	28.5	28.0
0.0	10°	26.2	26.7	26.7	27.1	27.1	27.1	27.1	27.1	27.1	27.1
0.0	12.5°	24.4	24.8	25.3	25.3	25.7	25.7	25.7	25.7	25.3	25.3
0.0	15°	22.1	23.0	23.4	23.9	23.9	24.4	24.4	24.4	24.4	24.4
0.0	17.5°	20.2	21.1	21.6	22.1	22.1	22.5	22.5	23.0	23.0	23.0
0.0	20°	16.5	17.5	17.9	18.8	19.3	19.8	20.2	20.7	20.7	21.1
0.0	22.5°	12.9	13.8	14.2	15.2	15.6	16.1	16.5	17.0	17.5	17.9
0.0	25°	9.2	10.1	10.6	11.5	11.9	12.4	12.9	13.3	13.3	13.8
0.0	27.5°	5.1	6.0	6.9	7.4	8.3	8.7	9.2	9.7	10.1	10.6
0.0	30°	2.3	2.8	3.2	4.1	4.6	5.1	5.5	6.4	6.9	7.4
0.0	32.5°	0.0	0.0	0.5	1.4	1.8	2.3	2.8	3.2	3.2	3.7
0.0	35°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.9	1.4	1.8
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°	0.9	0.9	0.9	1.4	1.4	1.4	1.4	1.4	1.4	1.4
	82.5°	2.3	2.8	3.2	3.2	3.7	3.7	3.7	3.7	3.2	3.2
	85°	4.6	5.1	5.5	5.5	6.0	6.0	6.0	6.0	6.0	6.0
	87.5°	6.4	6.9	7.4	7.4	7.8	7.8	7.8	7.8	7.8	7.8
	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: P1049213

CATALOG NUMBER: GALN-SA2A-840-U-RBC

CANDELA DISTRIBUTION (continued):

217.5°		192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°
26.7	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31.3	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29.9	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28.0	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27.1	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25.3	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24.4	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23.0	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20.7	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.9	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14.2	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.0	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.8	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.6	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.8	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.9	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.9	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.5	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.5	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.5	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.5	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.5	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											
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REPORT NUMBER: P1049213

CATALOG NUMBER: GALN-SA2A-840-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°	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7
0.0	2.5°	30.8	30.8	30.3	30.3	30.3	30.3	30.3	30.8	31.3	31.3
0.0	5°	29.4	29.4	29.0	29.0	29.0	29.4	29.4	29.9	30.3	30.8
0.0	7.5°	28.0	27.6	27.6	28.0	28.0	28.5	28.5	29.0	29.4	29.9
0.0	10°	27.1	26.7	26.7	26.7	27.1	27.1	27.6	28.0	28.5	29.0
0.0	12.5°	25.3	25.3	25.3	25.3	25.7	25.7	26.2	26.7	27.6	28.0
0.0	15°	24.4	23.9	23.9	23.9	23.9	24.4	24.4	25.3	26.2	26.7
0.0	17.5°	22.5	22.5	22.1	22.1	22.5	22.5	23.0	23.9	24.8	25.3
0.0	20°	20.7	20.2	19.8	19.8	20.2	20.2	20.7	21.6	22.5	23.0
0.0	22.5°	17.9	17.5	17.5	17.5	17.5	17.9	17.9	18.8	20.2	21.1
0.0	25°	14.2	14.7	14.7	15.2	15.2	15.6	16.1	17.0	18.4	19.3
0.0	27.5°	11.0	11.5	11.5	12.4	12.9	13.3	13.8	15.2	16.5	17.5
0.0	30°	8.3	8.7	9.2	9.7	10.6	11.5	12.4	13.8	15.2	16.1
0.0	32.5°	5.1	6.0	6.4	7.4	8.3	9.2	10.1	11.5	13.3	14.7
0.0	35°	3.7	4.1	5.1	5.5	6.4	7.4	8.3	10.1	11.5	13.3
0.0	37.5°	1.8	2.8	3.7	4.6	5.5	6.4	7.4	9.2	11.0	12.4
0.0	40°	1.4	2.3	2.8	3.7	5.1	6.0	6.9	8.7	10.6	12.4
0.0	42.5°	0.9	1.4	1.8	3.2	4.1	5.5	6.9	8.7	10.6	12.4
0.0	45°	0.9	0.9	1.4	2.8	4.1	6.0	7.4	9.2	10.6	12.4
0.0	47.5°	0.9	1.4	1.8	3.7	4.6	6.0	7.4	8.7	10.6	11.9
0.0	50°	1.4	1.8	2.3	4.1	5.1	6.4	7.4	9.2	10.6	12.4
0.0	52.5°	0.9	1.4	1.8	3.7	5.1	6.9	8.3	10.1	11.9	13.3
0.0	55°	0.5	0.5	0.5	2.8	5.5	7.8	10.6	11.9	13.8	15.2
0.0	57.5°	0.0	0.0	0.0	1.8	5.5	8.7	11.9	13.8	15.6	17.0
0.0	60°	0.0	0.0	0.0	1.8	5.5	8.7	11.9	14.2	16.5	18.8
0.0	62.5°	0.0	0.0	0.0	1.8	4.6	7.4	10.1	13.8	17.9	21.6
0.0	65°	0.0	0.0	0.0	1.4	3.7	6.0	8.3	13.8	19.3	24.4
0.0	67.5°	0.0	0.0	0.0	1.4	3.7	5.5	7.8	13.8	19.3	25.3
	70°	0.0	0.0	0.0	1.4	3.7	6.0	8.3	13.8	19.3	24.8
	72.5°	0.0	0.0	0.0	1.4	4.1	6.4	9.2	13.8	18.4	23.0
	75°	0.0	0.0	0.0	1.8	4.1	6.9	9.7	13.8	17.9	21.6
	77.5°	0.0	0.0	0.0	1.4	4.1	6.4	9.2	13.3	17.5	21.1
	80°	1.4	0.9	0.9	2.3	4.1	6.0	7.8	11.9	16.5	20.7
	82.5°	2.8	2.8	2.3	3.2	4.1	5.5	6.9	10.6	14.7	18.4
	85°	5.5	5.5	5.1	5.5	5.5	6.0	6.4	8.3	10.1	11.9
	87.5°	7.4	7.4	6.9	6.9	6.9	6.4	6.4	6.4	6.4	6.0
	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: P1049213

CATALOG NUMBER: GALN-SA2A-840-U-RBC

CANDELA DISTRIBUTION (continued):

245°		220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°
26.7	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31.7	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31.3	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30.3	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29.4	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28.5	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27.6	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26.2	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23.9	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22.1	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20.2	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18.8	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.5	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16.1	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14.7	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14.2	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14.2	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14.2	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.8	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.3	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.8	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.2	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16.5	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18.8	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21.1	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25.3	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29.9	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30.8	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30.3											
27.6											
25.7											
25.3											
24.8											
22.1											
13.8											
6.0											
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REPORT NUMBER: P1049213

CATALOG NUMBER: GALN-SA2A-840-U-RBC

CANDELA DISTRIBUTION (continued):

245°		247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°
0.0	0°	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7
0.0	2.5°	32.2	32.6	32.6	33.1	33.5	34.0	34.0	34.5	34.5	34.5
0.0	5°	31.7	32.6	33.1	33.5	34.0	34.5	34.9	35.4	35.8	35.8
0.0	7.5°	31.3	31.7	32.6	33.1	34.0	34.5	35.4	35.8	36.3	36.8
0.0	10°	30.3	31.3	32.2	33.1	34.0	34.9	35.8	36.8	37.7	38.1
0.0	12.5°	29.4	30.8	31.7	32.6	34.0	35.4	36.3	37.7	38.6	39.5
0.0	15°	29.0	29.9	31.3	32.2	34.0	35.8	37.2	39.1	40.9	42.3
0.0	17.5°	27.6	29.4	30.8	32.2	34.0	36.3	38.1	40.0	42.7	45.5
0.0	20°	25.7	27.1	29.0	30.3	33.1	35.4	38.1	40.4	44.6	48.7
0.0	22.5°	23.9	25.7	27.1	29.0	32.2	34.9	38.1	40.9	47.8	54.2
0.0	25°	22.1	24.4	26.2	28.0	31.7	35.4	39.1	42.7	54.2	65.7
0.0	27.5°	21.1	23.0	25.3	27.1	31.7	36.8	41.4	46.0	64.3	82.3
0.0	30°	19.8	22.1	23.9	26.2	32.2	38.1	44.1	50.1	78.1	106.2
0.0	32.5°	18.4	20.7	23.0	25.3	33.1	40.9	48.3	56.1	92.8	129.1
0.0	35°	17.0	19.8	22.1	24.4	34.5	45.0	55.2	65.3	106.2	146.6
0.0	37.5°	16.5	19.3	21.6	23.9	34.9	45.5	56.5	67.1	107.5	148.0
0.0	40°	17.0	19.3	22.1	24.4	33.5	42.7	51.5	60.7	102.9	144.8
0.0	42.5°	17.0	19.8	22.5	25.3	32.6	40.0	47.3	54.7	101.6	148.4
0.0	45°	16.5	19.3	22.1	24.8	31.7	38.1	45.0	51.5	109.8	167.7
0.0	47.5°	16.1	18.8	21.6	24.4	31.3	38.1	45.0	51.9	142.0	231.6
0.0	50°	16.1	18.8	21.1	23.4	31.7	40.4	48.7	57.0	206.8	356.2
0.0	52.5°	17.0	19.3	21.1	23.0	32.6	42.7	52.4	62.0	262.9	463.3
0.0	55°	18.4	19.8	21.6	23.0	34.9	46.4	58.4	69.9	279.9	489.9
0.0	57.5°	20.2	21.6	23.0	24.4	39.1	53.8	68.0	82.7	281.3	479.3
0.0	60°	22.5	24.4	25.7	27.1	42.7	58.8	74.5	90.1	254.6	418.7
0.0	62.5°	27.6	29.9	31.7	34.0	49.2	63.9	79.0	93.8	211.4	329.1
0.0	65°	31.7	33.5	35.4	37.2	51.9	67.1	81.8	96.5	179.2	262.0
0.0	67.5°	32.6	34.5	35.8	37.7	52.9	68.0	82.7	97.9	153.5	208.7
	70°	33.1	35.4	38.1	40.4	56.1	71.7	86.9	102.5	136.0	169.6
	72.5°	31.7	36.3	40.4	44.6	59.3	73.5	88.2	102.5	126.4	150.3
	75°	31.7	38.1	44.1	50.1	61.1	71.7	82.7	93.3	111.7	130.1
	77.5°	33.5	41.8	50.1	58.4	64.8	70.8	77.2	83.2	95.1	107.1
	80°	33.5	42.3	50.6	59.3	62.0	65.3	68.0	70.8	72.2	73.5
	82.5°	29.0	35.8	42.7	49.6	46.4	43.2	40.0	36.8	34.5	31.7
	85°	14.7	16.1	17.0	17.9	16.5	15.2	13.8	12.4	11.5	10.1
	87.5°	6.0	6.0	5.5	5.5	5.5	5.5	5.1	5.1	5.1	5.1
	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

REPORT NUMBER: P1049213

CATALOG NUMBER: GALN-SA2A-840-U-RBC

CANDELA DISTRIBUTION (continued):

272.5°		247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°
26.7	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34.5	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35.8	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.2	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39.1	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40.9	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44.6	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49.2	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
56.5	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.2	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.9	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
136.0	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
184.3	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
230.3	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
261.5	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
284.9	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
308.4	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
354.3	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
446.3	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
680.2	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1041.9	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1311.7	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1341.5	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1210.5	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1035.0	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
808.9	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
611.2	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
451.3	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
319.4											
237.6											
172.8											
130.1											
73.1											
33.1											
9.7											
4.6											
0.0											
0.0											
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REPORT NUMBER: P1049213

CATALOG NUMBER: GALN-SA2A-840-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°	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7
0.0	2.5°	34.5	34.0	34.0	33.5	33.1	32.6	32.2	31.7	31.3	30.8
0.0	5°	35.8	35.8	35.8	35.4	35.4	34.9	34.9	34.5	34.0	33.5
0.0	7.5°	37.2	37.7	37.7	38.1	38.1	38.1	38.1	37.7	37.7	37.7
0.0	10°	39.5	40.0	40.4	40.9	41.4	41.8	41.8	42.3	42.3	42.3
0.0	12.5°	42.3	43.7	44.6	46.0	46.9	48.3	49.2	50.6	51.5	52.4
0.0	15°	46.4	48.7	51.5	53.8	56.1	59.3	63.0	66.2	69.4	74.5
0.0	17.5°	52.4	59.7	67.1	74.0	81.3	97.4	113.5	129.1	145.2	168.7
0.0	20°	63.9	85.9	107.5	129.6	151.2	207.7	263.8	320.3	376.4	436.6
0.0	22.5°	89.6	143.8	198.1	252.3	306.5	424.7	542.3	660.4	778.1	916.4
0.0	25°	130.1	229.8	329.5	428.8	528.5	713.3	898.5	1083.2	1268.0	1447.7
0.0	27.5°	189.3	341.9	494.5	646.6	799.2	1049.7	1300.6	1551.1	1801.6	2004.7
0.0	30°	262.4	469.2	676.0	882.9	1089.7	1374.6	1659.6	1944.0	2229.0	2451.0
0.0	32.5°	331.4	584.6	837.8	1090.6	1343.8	1668.3	1993.2	2317.7	2642.2	2884.8
0.0	35°	376.4	682.5	989.0	1295.1	1601.2	1952.3	2303.4	2654.1	3005.2	3282.4
0.0	37.5°	421.4	774.9	1127.8	1481.2	1834.2	2219.8	2605.4	2991.0	3376.6	3719.0
0.0	40°	472.0	886.5	1300.6	1715.2	2129.3	2586.1	3042.4	3499.3	3955.6	4438.7
0.0	42.5°	559.8	1071.8	1584.2	2096.2	2608.1	3212.5	3816.8	4420.7	5025.1	5714.5
0.0	45°	724.8	1446.3	2168.3	2889.9	3611.4	4412.0	5213.1	6013.7	6814.3	7731.6
0.0	47.5°	1128.7	2121.4	3113.7	4106.4	5098.6	5963.1	6827.1	7691.6	8555.6	9469.3
0.0	50°	1727.1	2882.5	4037.9	5192.8	6348.2	7130.5	7912.2	8694.4	9476.2	10345.2
0.0	52.5°	2160.0	3363.7	4567.8	5771.5	6975.1	7681.0	8387.4	9093.3	9799.3	10611.3
0.0	55°	2192.7	3389.4	4586.7	5783.4	6980.2	7689.3	8398.4	9107.6	9816.7	10677.5
0.0	57.5°	1941.3	3128.4	4315.0	5502.1	6688.8	7496.3	8303.3	9110.8	9917.8	10848.5
0.0	60°	1651.3	2838.9	4026.0	5213.5	6400.6	7330.8	8261.5	9191.7	10121.9	10993.7
0.0	62.5°	1288.2	2509.8	3731.8	4953.4	6175.0	7119.4	8063.9	9007.9	9952.3	10606.3
0.0	65°	960.1	2146.3	3332.4	4518.2	5704.4	6460.8	7217.3	7973.3	8729.8	9134.7
0.0	67.5°	694.0	1717.0	2739.6	3762.6	4785.2	5326.6	5868.0	6408.9	6950.3	7260.1
	70°	469.2	1177.9	1886.1	2594.8	3303.0	3747.9	4193.2	4638.1	5083.0	5501.2
	72.5°	324.9	722.9	1121.4	1519.4	1917.4	2365.0	2812.2	3259.8	3707.0	4149.6
	75°	215.5	396.6	578.2	759.2	940.3	1271.7	1603.5	1934.9	2266.2	2530.0
	77.5°	153.0	207.3	262.0	316.2	370.4	432.5	495.0	557.0	619.1	713.3
	80°	72.6	79.5	86.4	92.8	99.7	122.2	144.8	167.3	189.8	213.7
	82.5°	34.5	37.2	40.0	42.3	45.0	47.3	49.6	51.9	54.2	51.9
	85°	9.2	9.2	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.2
	87.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	3.7	3.7	3.2
	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

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CANDELA DISTRIBUTION (continued):

300°		275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°
26.7	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30.3	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33.1	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.2	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.7	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.9	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80.0	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
191.6	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
497.3	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1054.7	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1627.4	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2207.8	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2673.4	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3127.9	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3559.5	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4061.8	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4921.7	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6403.8	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8648.9	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10382.9	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11214.3	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11423.4	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11538.8	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11779.1	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11865.1	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11260.7	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9540.1	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7570.3	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5919.0											
4592.2											
2793.8											
807.5											
237.6											
49.2											
8.7											
3.2											
0.0											
0.0											
0.0											
0.0											
0.0											
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0.0											

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CATALOG NUMBER: GALN-SA2A-840-U-RBC

CANDELA DISTRIBUTION (continued):

300°		302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°
0.0	0°	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7
0.0	2.5°	29.9	29.4	29.0	28.5	28.0	27.1	27.1	26.7	26.7
0.0	5°	32.6	32.2	31.7	31.3	31.3	30.8	30.3	30.3	29.9
0.0	7.5°	37.2	36.8	36.3	35.8	35.8	35.4	35.4	34.9	34.9
0.0	10°	42.7	42.7	42.7	42.7	42.7	42.3	42.3	42.3	41.8
0.0	12.5°	53.8	54.2	55.2	56.1	57.4	57.4	57.4	57.0	57.0
0.0	15°	85.0	90.1	93.8	97.4	100.6	108.0	107.1	105.7	104.8
0.0	17.5°	215.1	238.1	250.5	262.4	274.8	308.8	303.3	297.8	292.8
0.0	20°	557.5	617.7	657.7	697.6	738.1	802.0	786.3	770.7	755.1
0.0	22.5°	1192.6	1331.0	1391.2	1451.4	1511.1	1588.3	1538.2	1488.1	1438.5
0.0	25°	1806.6	1986.3	2087.9	2189.5	2290.6	2334.7	2269.4	2203.7	2138.4
0.0	27.5°	2411.0	2614.1	2703.7	2792.9	2882.5	2974.9	2894.0	2812.7	2731.8
0.0	30°	2895.4	3117.4	3214.3	3310.8	3407.8	3472.2	3388.5	3304.4	3220.8
0.0	32.5°	3370.6	3613.3	3719.4	3825.6	3931.3	4023.7	3920.7	3817.3	3714.4
0.0	35°	3836.2	4113.3	4259.4	4405.6	4551.7	4637.7	4515.4	4392.7	4270.5
0.0	37.5°	4404.2	4746.6	4910.2	5073.8	5237.4	5394.1	5259.5	5124.4	4989.7
0.0	40°	5404.7	5887.7	6138.7	6390.1	6641.0	6843.2	6673.2	6503.1	6333.1
0.0	42.5°	7093.2	7782.6	8143.4	8503.7	8864.5	9180.2	9001.4	8822.6	8643.9
0.0	45°	9566.3	10483.6	10923.4	11362.8	11802.6	12033.3	11775.9	11518.1	11260.7
0.0	47.5°	11296.1	12209.8	12601.3	12992.9	13384.5	13647.8	13333.0	13018.2	12703.8
0.0	50°	12082.9	12952.0	13345.0	13737.4	14130.4	14339.5	13976.0	13612.0	13248.4
0.0	52.5°	12235.1	13047.1	13515.9	13985.2	14453.9	14733.4	14304.1	13874.4	13445.1
0.0	55°	12399.6	13260.4	13804.1	14348.2	14891.9	15278.9	14793.6	14307.8	13822.5
0.0	57.5°	12709.3	13640.0	14182.3	14724.2	15266.5	15595.1	15108.4	14621.2	14134.5
0.0	60°	12736.9	13608.3	14074.3	14540.8	15006.8	15213.6	14748.1	14282.0	13816.5
0.0	62.5°	11914.7	12568.7	12892.3	13215.8	13539.4	13764.1	13278.3	12792.1	12306.3
0.0	65°	9944.9	10349.8	10607.7	10865.5	11123.3	11391.3	10946.4	10501.5	10056.6
0.0	67.5°	7880.0	8189.8	8529.4	8869.1	9208.7	9495.0	9138.8	8782.2	8426.0
	70°	6337.2	6755.0	7136.9	7518.8	7900.7	8135.1	7777.5	7419.5	7062.0
	72.5°	5034.7	5477.3	5796.3	6114.8	6433.7	6491.2	6228.3	5965.4	5703.0
	75°	3057.2	3321.0	3327.4	3333.4	3339.8	3394.5	3176.6	2958.8	2741.4
	77.5°	901.7	995.9	1073.6	1150.8	1228.5	1322.2	1242.3	1161.8	1081.9
	80°	261.0	284.9	305.2	324.9	345.1	333.2	314.4	295.5	276.7
	82.5°	46.9	44.1	43.7	43.2	43.2	40.9	37.2	33.5	29.9
	85°	8.3	7.8	7.4	6.9	6.4	6.0	5.1	4.6	3.7
	87.5°	2.8	2.3	1.8	1.4	1.4	0.5	0.5	0.5	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-SA2A-840-U-RBC

CANDELA DISTRIBUTION (continued):

REPORT NUMBER: P1049213

CATALOG NUMBER: GALN-SA2A-840-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°	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7
0.0	0.0	2.5°	26.2	25.7	25.7	25.7	25.7	25.3	25.3	25.3	25.3
0.0	0.0	5°	29.0	29.0	28.5	28.5	28.0	28.0	27.6	27.6	27.1
0.0	0.0	7.5°	34.0	33.5	33.1	32.6	32.2	31.3	30.8	30.3	30.3
0.0	0.0	10°	40.9	40.0	39.5	38.6	38.1	37.2	36.3	35.4	34.5
0.0	0.0	12.5°	53.8	51.9	50.6	48.7	46.9	45.5	43.7	42.3	40.4
0.0	0.0	15°	93.3	88.7	83.6	77.7	71.2	65.3	58.8	55.2	51.0
0.0	0.0	17.5°	238.5	214.6	190.3	170.5	150.7	131.4	111.7	97.4	83.2
0.0	0.0	20°	607.1	540.9	474.8	409.5	343.8	278.5	212.8	179.7	146.6
0.0	0.0	22.5°	1142.5	1019.8	896.6	777.6	658.1	539.1	420.1	345.1	270.7
0.0	0.0	25°	1763.4	1609.0	1454.6	1258.8	1062.6	866.8	671.0	549.2	427.4
0.0	0.0	27.5°	2294.7	2116.8	1939.0	1700.9	1462.9	1224.8	986.7	805.2	624.1
0.0	0.0	30°	2754.7	2563.6	2372.4	2095.2	1818.1	1541.0	1263.9	1036.8	809.8
0.0	0.0	32.5°	3153.7	2924.8	2695.9	2410.1	2124.2	1838.3	1552.5	1274.0	995.5
0.0	0.0	35°	3613.7	3346.7	3079.2	2762.1	2444.5	2127.4	1810.3	1495.9	1181.1
0.0	0.0	37.5°	4198.3	3870.6	3542.5	3189.1	2835.6	2482.7	2129.3	1769.9	1410.5
0.0	0.0	40°	5317.4	4894.6	4471.8	4022.7	3573.3	3124.3	2675.2	2234.0	1792.8
0.0	0.0	42.5°	7322.6	6751.3	6180.0	5582.6	4984.7	4387.2	3789.3	3167.0	2544.3
0.0	0.0	45°	9585.6	8876.9	8167.7	7497.2	6826.2	6155.7	5485.1	4631.2	3777.3
0.0	0.0	47.5°	10858.1	10092.9	9327.7	8693.0	8058.4	7423.7	6789.0	5868.4	4947.9
0.0	0.0	50°	11326.5	10547.5	9768.5	9184.3	8599.7	8015.6	7431.0	6509.1	5586.7
0.0	0.0	52.5°	11426.2	10631.6	9836.9	9249.1	8661.3	8074.0	7486.2	6570.2	5654.3
0.0	0.0	55°	11631.2	10778.6	9925.6	9255.6	8585.5	7915.4	7245.3	6314.7	5384.0
0.0	0.0	57.5°	11899.1	11025.0	10150.8	9387.5	8624.1	7861.2	7097.8	6080.3	5062.8
0.0	0.0	60°	11828.8	11068.2	10307.1	9489.5	8671.4	7853.8	7035.8	5916.7	4797.1
0.0	0.0	62.5°	10608.1	10002.4	9396.2	8723.8	8051.0	7378.6	6706.3	5554.1	4401.9
0.0	0.0	65°	8727.0	8284.9	7842.8	7301.9	6760.5	6219.6	5678.6	4645.5	3612.8
0.0	0.0	67.5°	7073.0	6574.8	6076.2	5645.1	5213.5	4782.4	4350.9	3537.9	2724.9
		70°	5619.3	5077.5	4535.2	4114.2	3692.8	3271.8	2850.8	2310.3	1770.3
		72.5°	4462.6	3974.0	3485.5	3036.5	2587.0	2138.0	1688.5	1369.1	1049.7
		75°	2132.9	1937.6	1742.3	1507.4	1272.6	1037.7	802.9	663.6	524.8
		77.5°	790.5	685.2	579.5	483.9	388.3	293.2	197.6	181.1	164.5
		80°	204.5	178.3	151.7	132.8	113.5	94.7	75.8	68.5	61.6
		82.5°	23.4	21.6	20.2	19.3	17.9	17.0	15.6	14.2	12.9
		85°	1.4	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

REPORT NUMBER: P1049213

CATALOG NUMBER: GALN-SA2A-840-U-RBC

CANDELA DISTRIBUTION (continued):

352.5°	355°		357.5°	360°
0.0	0.0	0°	26.7	26.7
0.0	0.0	2.5°	24.8	24.4
0.0	0.0	5°	26.2	25.7
0.0	0.0	7.5°	29.0	28.0
0.0	0.0	10°	31.7	30.8
0.0	0.0	12.5°	35.8	34.5
0.0	0.0	15°	40.4	37.7
0.0	0.0	17.5°	48.3	42.3
0.0	0.0	20°	65.3	50.1
0.0	0.0	22.5°	91.9	62.5
0.0	0.0	25°	135.1	86.4
0.0	0.0	27.5°	188.0	114.9
0.0	0.0	30°	250.0	143.8
0.0	0.0	32.5°	304.7	171.4
0.0	0.0	35°	375.9	199.5
0.0	0.0	37.5°	463.7	235.3
0.0	0.0	40°	599.8	289.5
0.0	0.0	42.5°	844.7	389.7
0.0	0.0	45°	1371.9	673.8
0.0	0.0	47.5°	2110.9	1114.5
0.0	0.0	50°	2582.4	1422.4
0.0	0.0	52.5°	2621.0	1420.1
0.0	0.0	55°	2392.6	1262.5
0.0	0.0	57.5°	2041.5	1055.2
0.0	0.0	60°	1696.8	834.6
0.0	0.0	62.5°	1336.9	576.3
0.0	0.0	65°	977.1	407.7
0.0	0.0	67.5°	701.8	304.7
		70°	461.4	233.5
		72.5°	300.6	190.3
		75°	202.2	157.6
		77.5°	118.1	104.8
		80°	41.8	36.8
		82.5°	7.8	5.5
		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: P1049213

CATALOG NUMBER: GALN-SA2A-840-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: SP1-2407-184-11

Test Date: 10/11/2024

Luminaire Tested: GSS-SB1A-840-U-5WQ

Data in this report applies to families of products including GSS-SB1A-840-U-5WQ

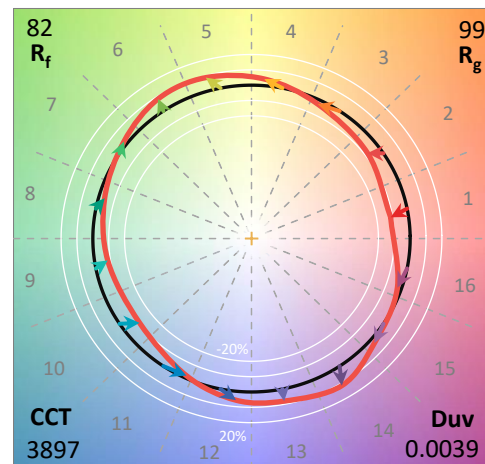
Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-11
 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-840-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI
 4000K CCT 26 LEDS

Spectral Parameters

CCT (K): 3897
 CIE u' : 0.2249
 CIE v' : 0.5084
 Duv: 0.0039
 CIE x: 0.3882
 CIE y: 0.3900
 CIE z: 0.2218
 Peak Wavelength (nm): 445
 Dominant Wavelength (nm): 577
 Purity: 33.54925
 R_f: 81.8
 R_g: 98.6

CRI (Ra): 80.2
 R1: 78.9
 R2: 83.5
 R3: 88.3
 R4: 82.1
 R5: 78.8
 R6: 78.4
 R7: 85.8
 R8: 65.8
 R9: 6.7
 R10: 61.9
 R11: 81.9
 R12: 58.9
 R13: 79.2
 R14: 93.2
 R15: 71.9



Test Conditions

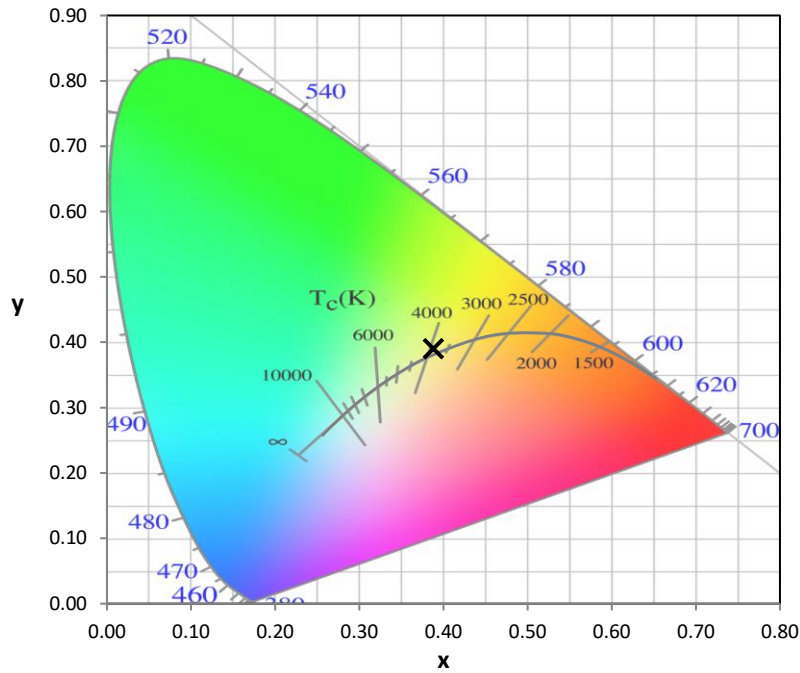
Stabilization Time: 24M
 Operation Time: 1H 24M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-11

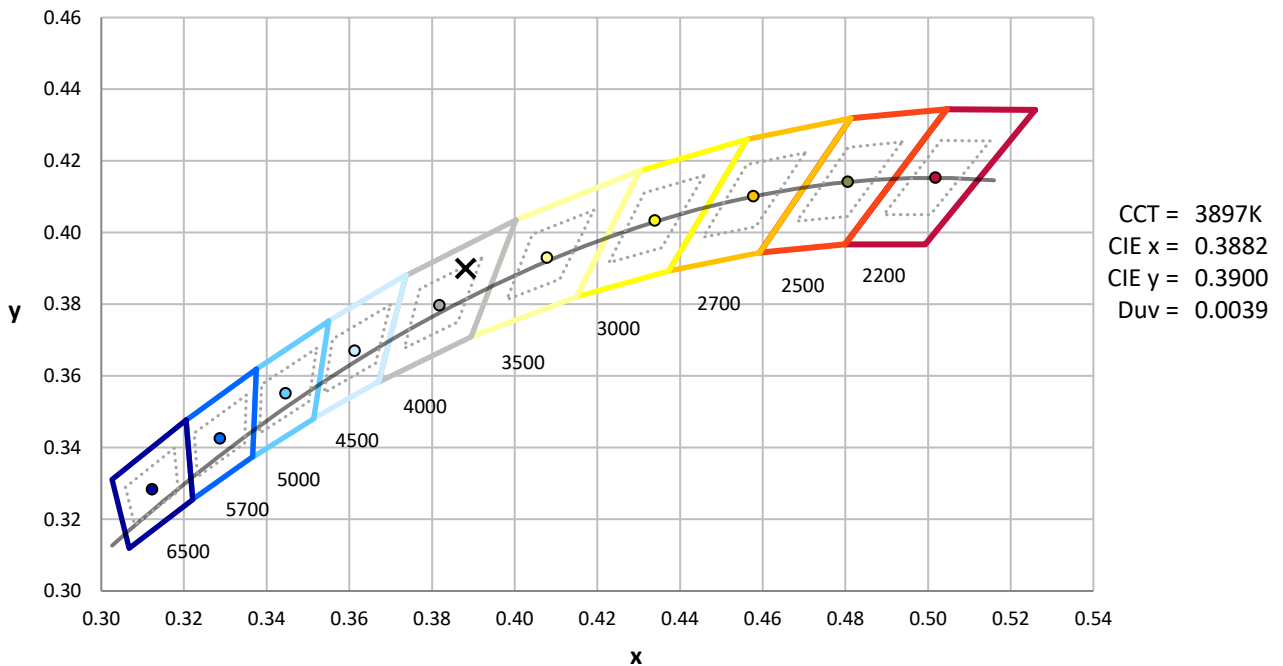
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-11

CIE 1931 Chromaticity Diagram

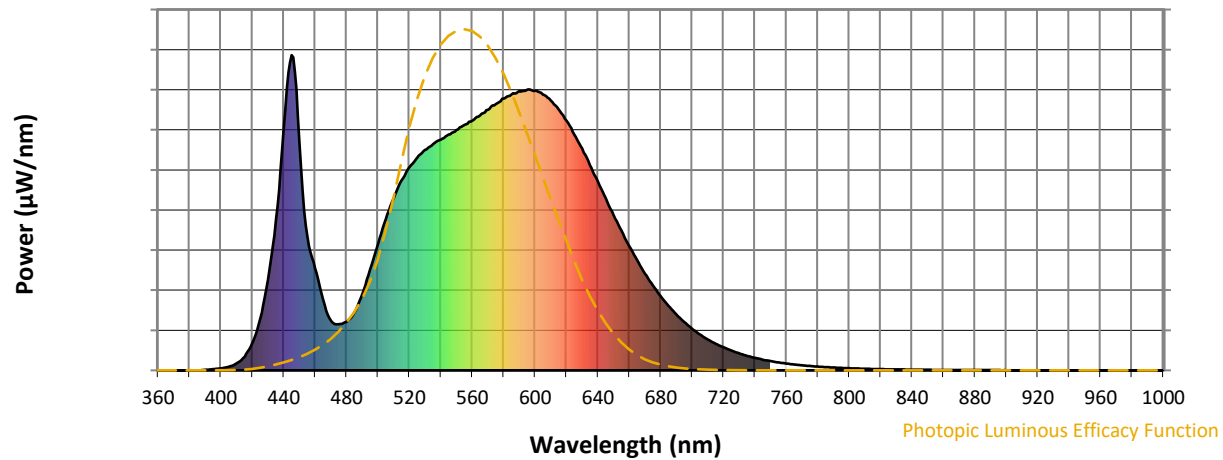


CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



REPORT NUMBER: SP1-2407-184-11

Photopic Flux vs. Wavelength

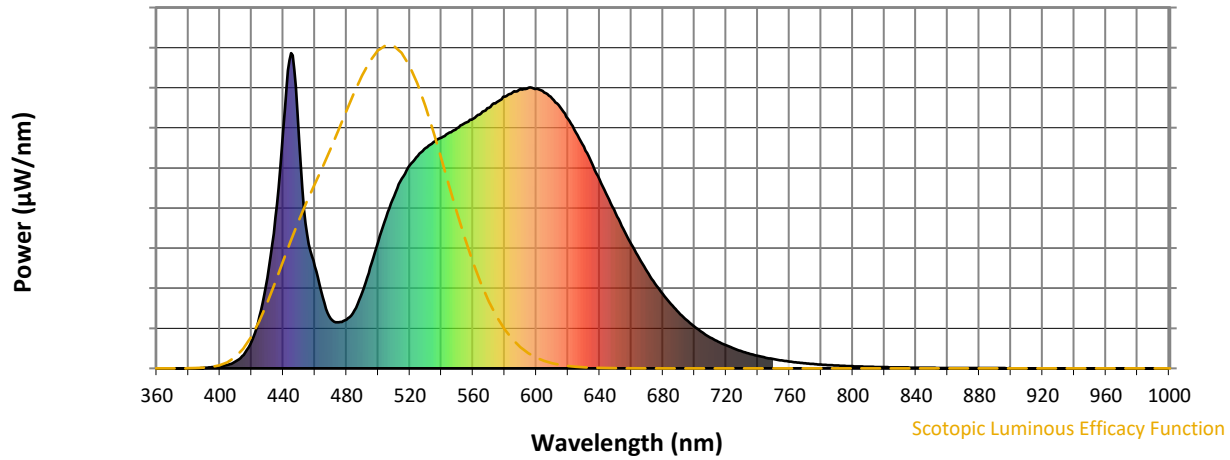


Photopic Lumens: NR

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	242	NR	620	792	NR	750	29	NR	880	1	NR
365	0	NR	495	320	NR	625	748	NR	755	25	NR	885	1	NR
370	0	NR	500	401	NR	630	703	NR	760	22	NR	890	1	NR
375	0	NR	505	479	NR	635	651	NR	765	19	NR	895	1	NR
380	0	NR	510	546	NR	640	599	NR	770	16	NR	900	1	NR
385	0	NR	515	602	NR	645	545	NR	775	14	NR	905	0	NR
390	2	NR	520	645	NR	650	493	NR	780	12	NR	910	0	NR
395	4	NR	525	674	NR	655	443	NR	785	10	NR	915	0	NR
400	6	NR	530	699	NR	660	394	NR	790	9	NR	920	0	NR
405	11	NR	535	718	NR	665	349	NR	795	8	NR	925	0	NR
410	22	NR	540	732	NR	670	307	NR	800	7	NR	930	0	NR
415	43	NR	545	749	NR	675	269	NR	805	6	NR	935	0	NR
420	86	NR	550	762	NR	680	235	NR	810	5	NR	940	0	NR
425	164	NR	555	778	NR	685	204	NR	815	5	NR	945	0	NR
430	288	NR	560	792	NR	690	178	NR	820	4	NR	950	0	NR
435	478	NR	565	809	NR	695	153	NR	825	3	NR	955	0	NR
440	766	NR	570	827	NR	700	132	NR	830	3	NR	960	0	NR
445	1000	NR	575	845	NR	705	114	NR	835	3	NR	965	0	NR
450	726	NR	580	862	NR	710	98	NR	840	2	NR	970	0	NR
455	425	NR	585	875	NR	715	84	NR	845	2	NR	975	0	NR
460	324	NR	590	887	NR	720	73	NR	850	2	NR	980	0	NR
465	225	NR	595	890	NR	725	63	NR	855	1	NR	985	0	NR
470	157	NR	600	887	NR	730	54	NR	860	1	NR	990	0	NR
475	147	NR	605	875	NR	735	46	NR	865	1	NR	995	0	NR
480	154	NR	610	856	NR	740	40	NR	870	1	NR	1000	0	NR
485	184	NR	615	828	NR	745	34	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-11

Scotopic Flux vs. Wavelength



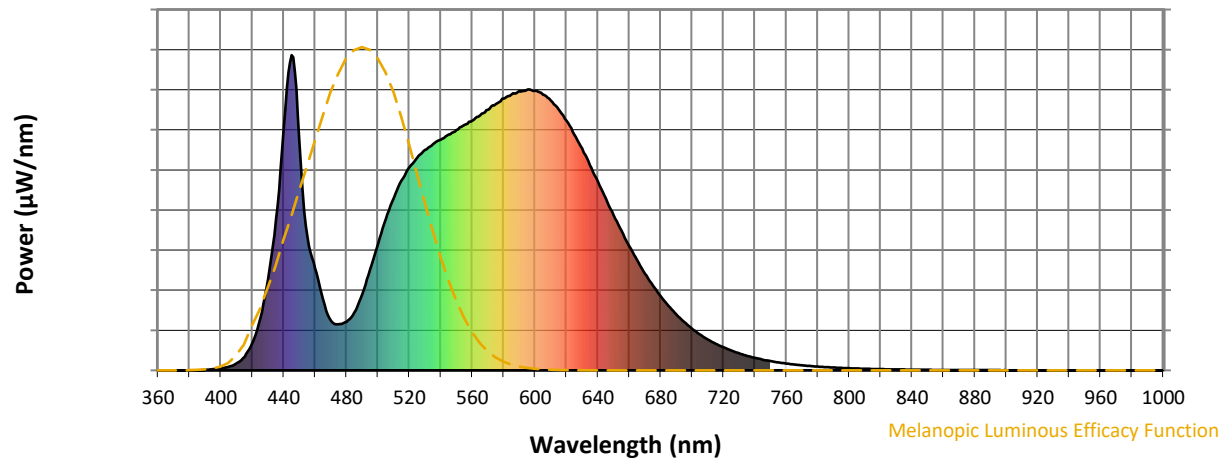
Scotopic Lumens: NR

S/P: 1.57

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	242	NR	620	792	NR	750	29	NR	880	1	NR
365	0	NR	495	320	NR	625	748	NR	755	25	NR	885	1	NR
370	0	NR	500	401	NR	630	703	NR	760	22	NR	890	1	NR
375	0	NR	505	479	NR	635	651	NR	765	19	NR	895	1	NR
380	0	NR	510	546	NR	640	599	NR	770	16	NR	900	1	NR
385	0	NR	515	602	NR	645	545	NR	775	14	NR	905	0	NR
390	2	NR	520	645	NR	650	493	NR	780	12	NR	910	0	NR
395	4	NR	525	674	NR	655	443	NR	785	10	NR	915	0	NR
400	6	NR	530	699	NR	660	394	NR	790	9	NR	920	0	NR
405	11	NR	535	718	NR	665	349	NR	795	8	NR	925	0	NR
410	22	NR	540	732	NR	670	307	NR	800	7	NR	930	0	NR
415	43	NR	545	749	NR	675	269	NR	805	6	NR	935	0	NR
420	86	NR	550	762	NR	680	235	NR	810	5	NR	940	0	NR
425	164	NR	555	778	NR	685	204	NR	815	5	NR	945	0	NR
430	288	NR	560	792	NR	690	178	NR	820	4	NR	950	0	NR
435	478	NR	565	809	NR	695	153	NR	825	3	NR	955	0	NR
440	766	NR	570	827	NR	700	132	NR	830	3	NR	960	0	NR
445	1000	NR	575	845	NR	705	114	NR	835	3	NR	965	0	NR
450	726	NR	580	862	NR	710	98	NR	840	2	NR	970	0	NR
455	425	NR	585	875	NR	715	84	NR	845	2	NR	975	0	NR
460	324	NR	590	887	NR	720	73	NR	850	2	NR	980	0	NR
465	225	NR	595	890	NR	725	63	NR	855	1	NR	985	0	NR
470	157	NR	600	887	NR	730	54	NR	860	1	NR	990	0	NR
475	147	NR	605	875	NR	735	46	NR	865	1	NR	995	0	NR
480	154	NR	610	856	NR	740	40	NR	870	1	NR	1000	0	NR
485	184	NR	615	828	NR	745	34	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-11

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 3.06

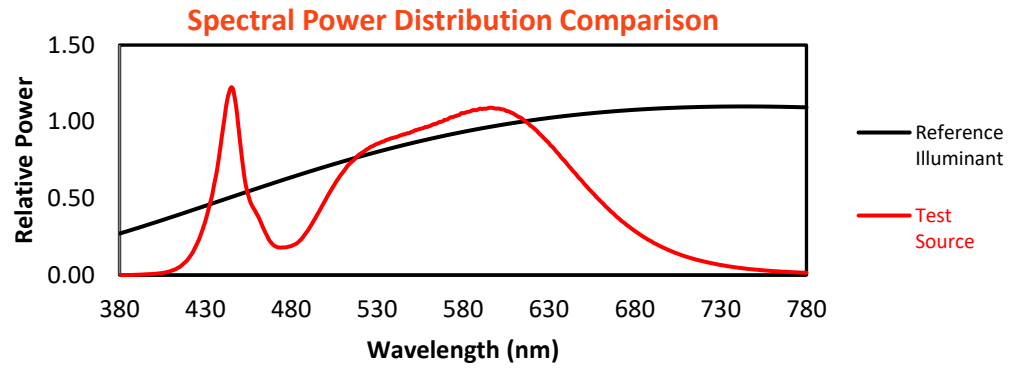
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	242	NR	620	792	NR	750	29	NR	880	1	NR
365	0	NR	495	320	NR	625	748	NR	755	25	NR	885	1	NR
370	0	NR	500	401	NR	630	703	NR	760	22	NR	890	1	NR
375	0	NR	505	479	NR	635	651	NR	765	19	NR	895	1	NR
380	0	NR	510	546	NR	640	599	NR	770	16	NR	900	1	NR
385	0	NR	515	602	NR	645	545	NR	775	14	NR	905	0	NR
390	2	NR	520	645	NR	650	493	NR	780	12	NR	910	0	NR
395	4	NR	525	674	NR	655	443	NR	785	10	NR	915	0	NR
400	6	NR	530	699	NR	660	394	NR	790	9	NR	920	0	NR
405	11	NR	535	718	NR	665	349	NR	795	8	NR	925	0	NR
410	22	NR	540	732	NR	670	307	NR	800	7	NR	930	0	NR
415	43	NR	545	749	NR	675	269	NR	805	6	NR	935	0	NR
420	86	NR	550	762	NR	680	235	NR	810	5	NR	940	0	NR
425	164	NR	555	778	NR	685	204	NR	815	5	NR	945	0	NR
430	288	NR	560	792	NR	690	178	NR	820	4	NR	950	0	NR
435	478	NR	565	809	NR	695	153	NR	825	3	NR	955	0	NR
440	766	NR	570	827	NR	700	132	NR	830	3	NR	960	0	NR
445	1000	NR	575	845	NR	705	114	NR	835	3	NR	965	0	NR
450	726	NR	580	862	NR	710	98	NR	840	2	NR	970	0	NR
455	425	NR	585	875	NR	715	84	NR	845	2	NR	975	0	NR
460	324	NR	590	887	NR	720	73	NR	850	2	NR	980	0	NR
465	225	NR	595	890	NR	725	63	NR	855	1	NR	985	0	NR
470	157	NR	600	887	NR	730	54	NR	860	1	NR	990	0	NR
475	147	NR	605	875	NR	735	46	NR	865	1	NR	995	0	NR
480	154	NR	610	856	NR	740	40	NR	870	1	NR	1000	0	NR
485	184	NR	615	828	NR	745	34	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-11

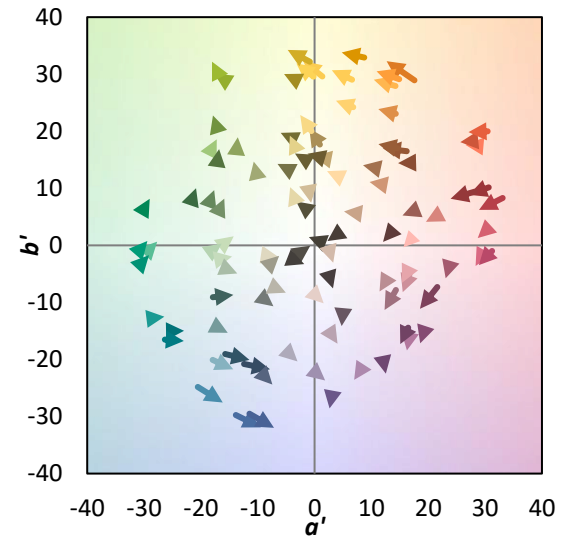
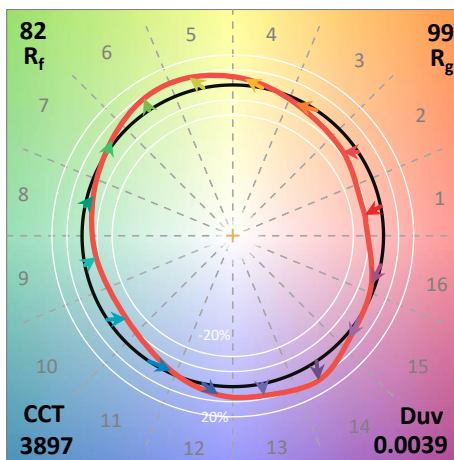
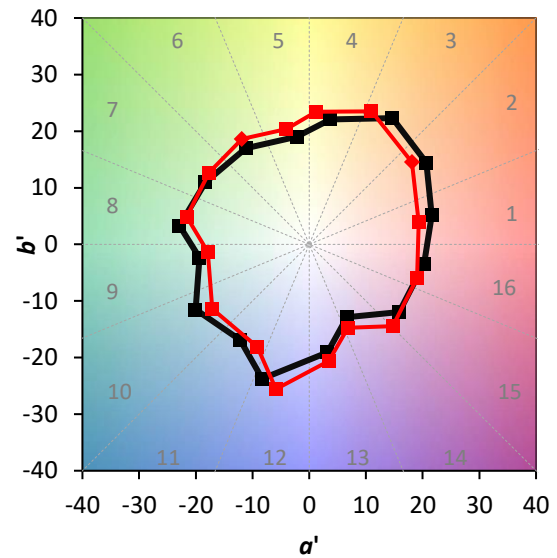
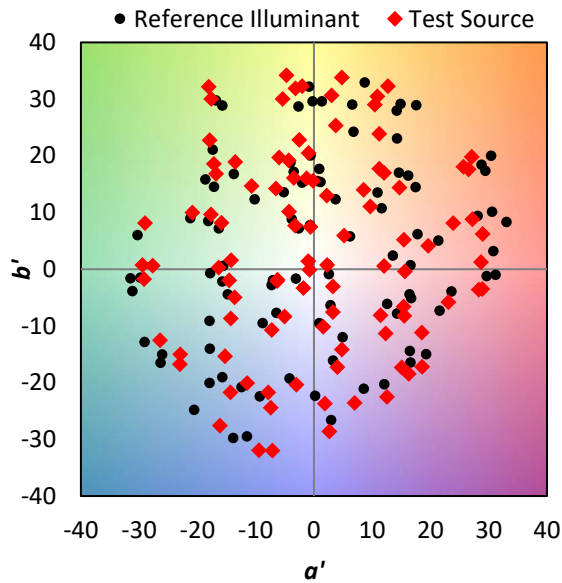
TM-30-18

Summary

$R_f = 81.8$
 $R_g = 98.6$
 $CIE R_a = 80.2$
 $R_9 = 6.7$

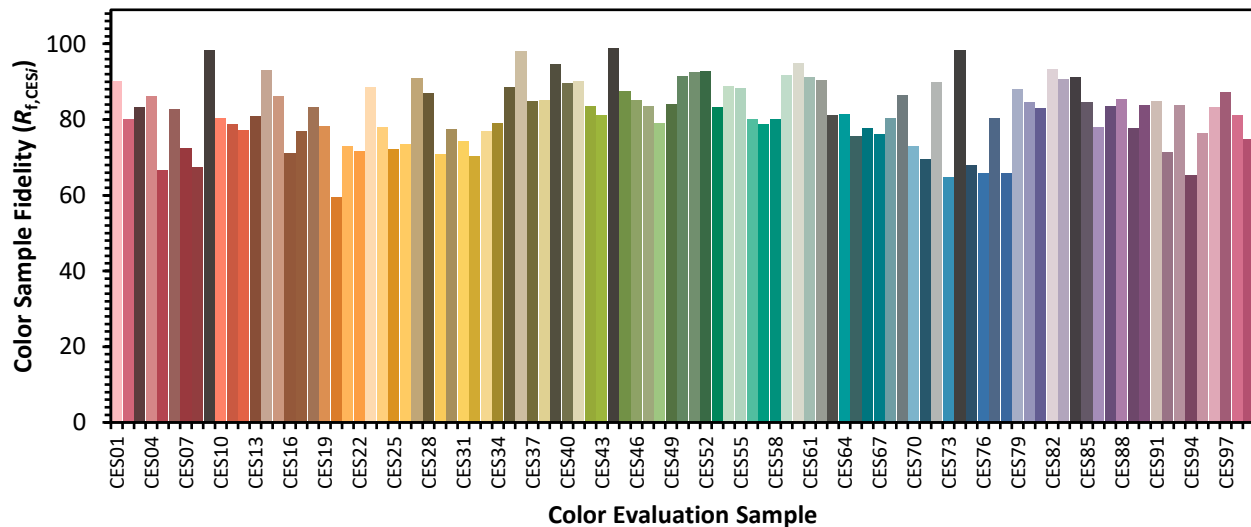


Color Vector Graphics

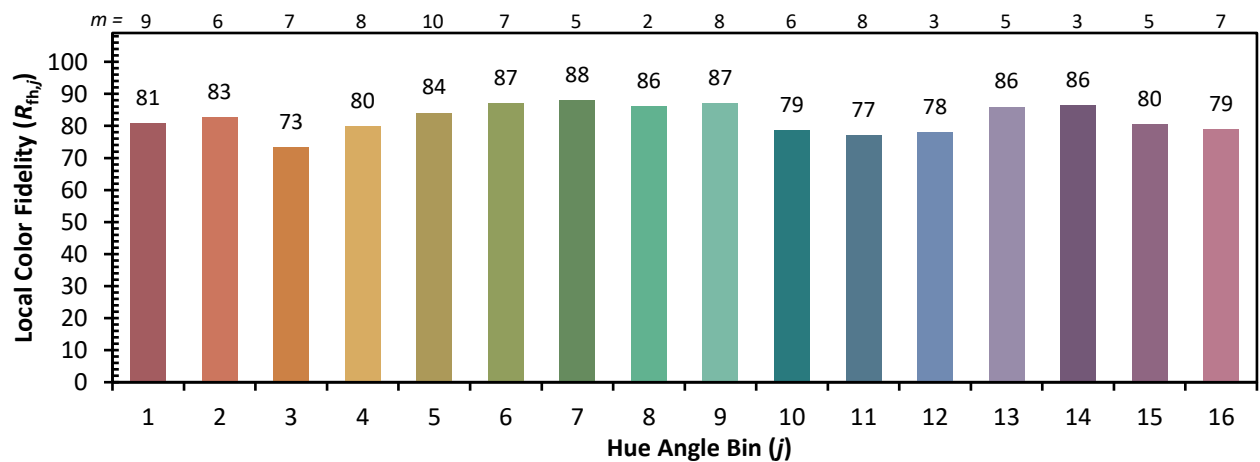
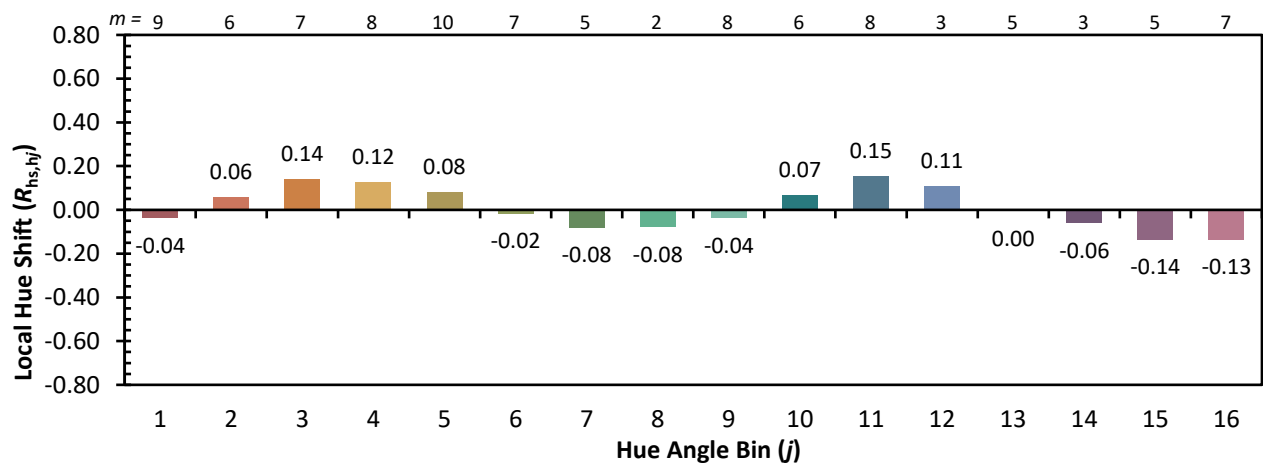
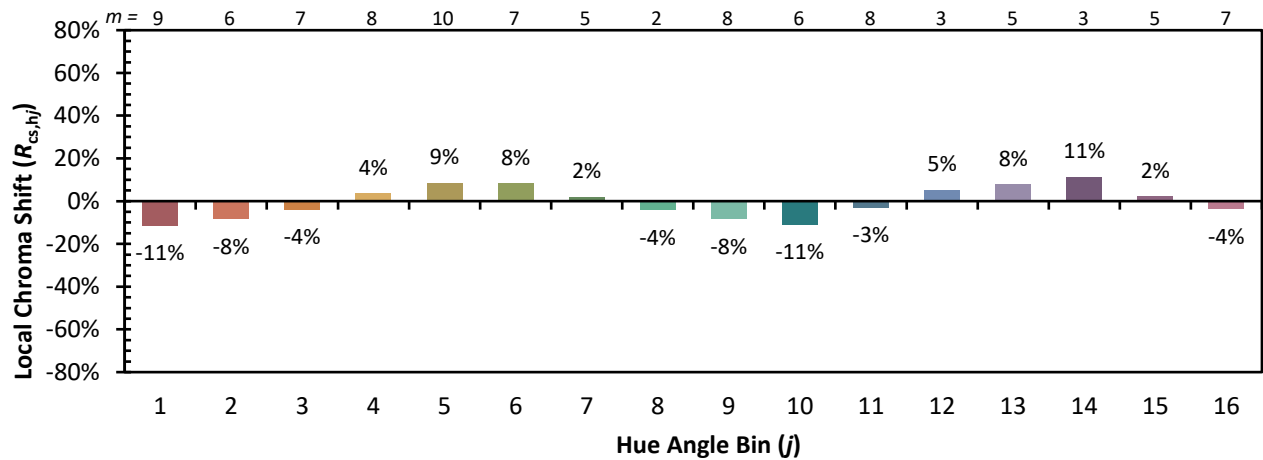


Individual Sample Fidelity Index ($R_{f,i}$)

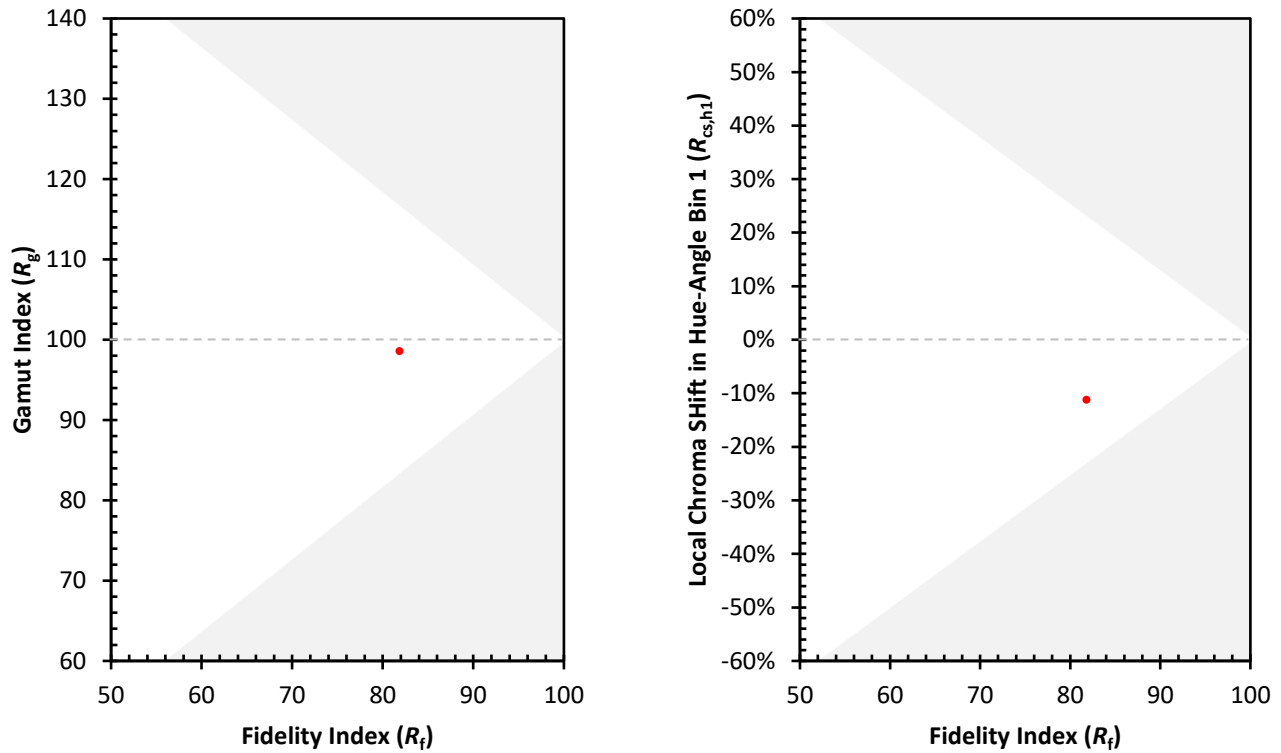
CES01 = 85	CES26 = 73	CES51 = 93	CES76 = 66
CES02 = 61	CES27 = 91	CES52 = 93	CES77 = 80
CES03 = 31	CES28 = 87	CES53 = 83	CES78 = 66
CES04 = 69	CES29 = 71	CES54 = 89	CES79 = 88
CES05 = 48	CES30 = 77	CES55 = 88	CES80 = 85
CES06 = 50	CES31 = 74	CES56 = 80	CES81 = 83
CES07 = 41	CES32 = 70	CES57 = 79	CES82 = 93
CES08 = 40	CES33 = 77	CES58 = 80	CES83 = 91
CES09 = 29	CES34 = 79	CES59 = 92	CES84 = 91
CES10 = 74	CES35 = 88	CES60 = 95	CES85 = 84
CES11 = 57	CES36 = 98	CES61 = 91	CES86 = 78
CES12 = 63	CES37 = 85	CES62 = 90	CES87 = 84
CES13 = 42	CES38 = 85	CES63 = 81	CES88 = 85
CES14 = 74	CES39 = 95	CES64 = 81	CES89 = 78
CES15 = 71	CES40 = 90	CES65 = 76	CES90 = 84
CES16 = 47	CES41 = 90	CES66 = 78	CES91 = 85
CES17 = 49	CES42 = 84	CES67 = 76	CES92 = 71
CES18 = 56	CES43 = 81	CES68 = 80	CES93 = 84
CES19 = 71	CES44 = 99	CES69 = 86	CES94 = 65
CES20 = 65	CES45 = 87	CES70 = 73	CES95 = 77
CES21 = 86	CES46 = 85	CES71 = 70	CES96 = 83
CES22 = 78	CES47 = 84	CES72 = 90	CES97 = 87
CES23 = 91	CES48 = 79	CES73 = 65	CES98 = 81
CES24 = 90	CES49 = 84	CES74 = 98	CES99 = 75
CES25 = 71	CES50 = 91	CES75 = 68	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)