

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: P1049217

Luminaire Tested: **GALN-SA3A-840-U-RBC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1049217
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA3A-840-U-RBC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 615mA 3xLight Square PACKAGE
80CRI 4000K FIXTURE w/ RIGHT CORNER BACKLIGHT CONTROL
Light Source: (42) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9121.7 lumens
Efficiency: N/A
Efficacy: 112.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G2

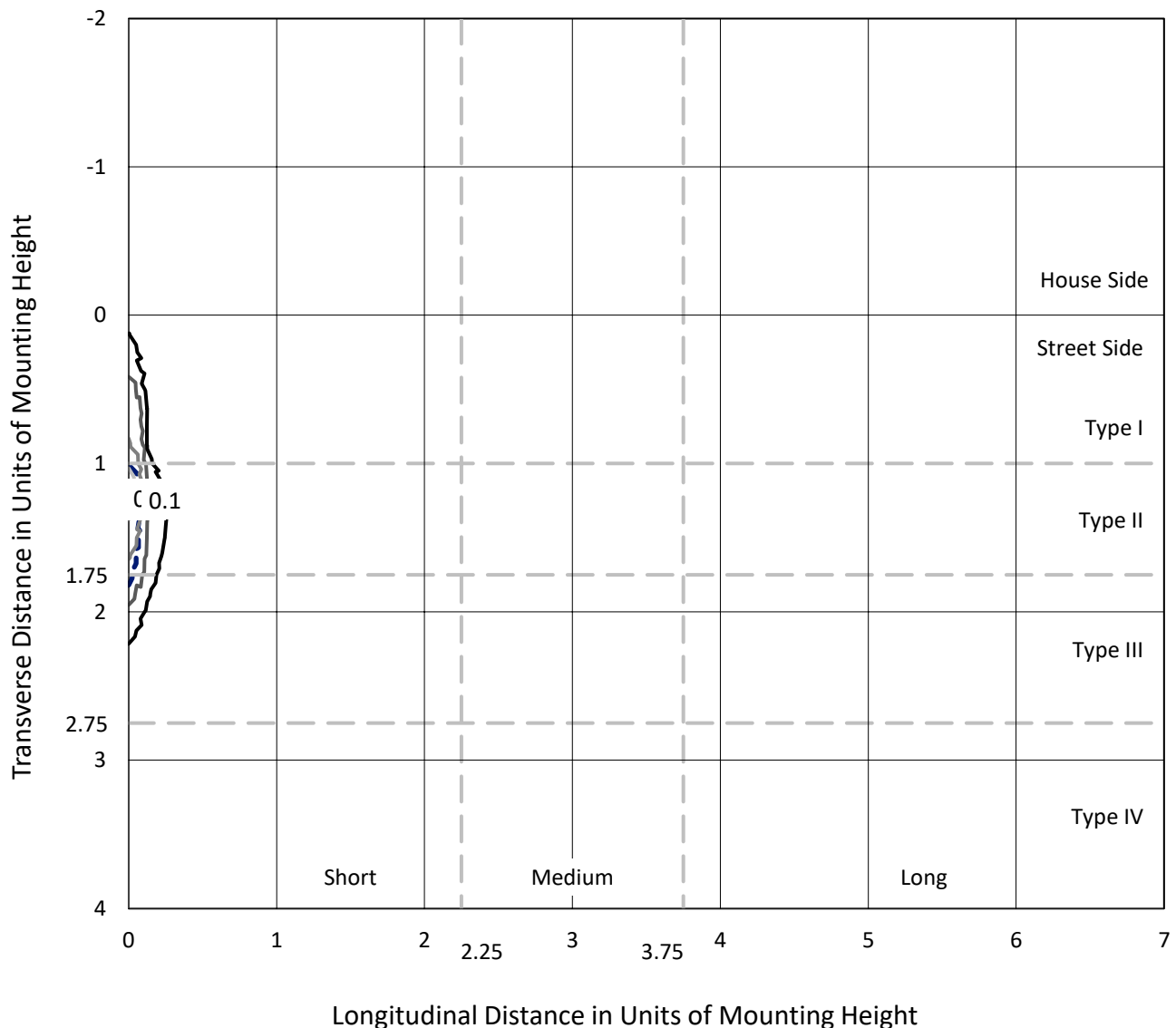
Input Watts (W): 81.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

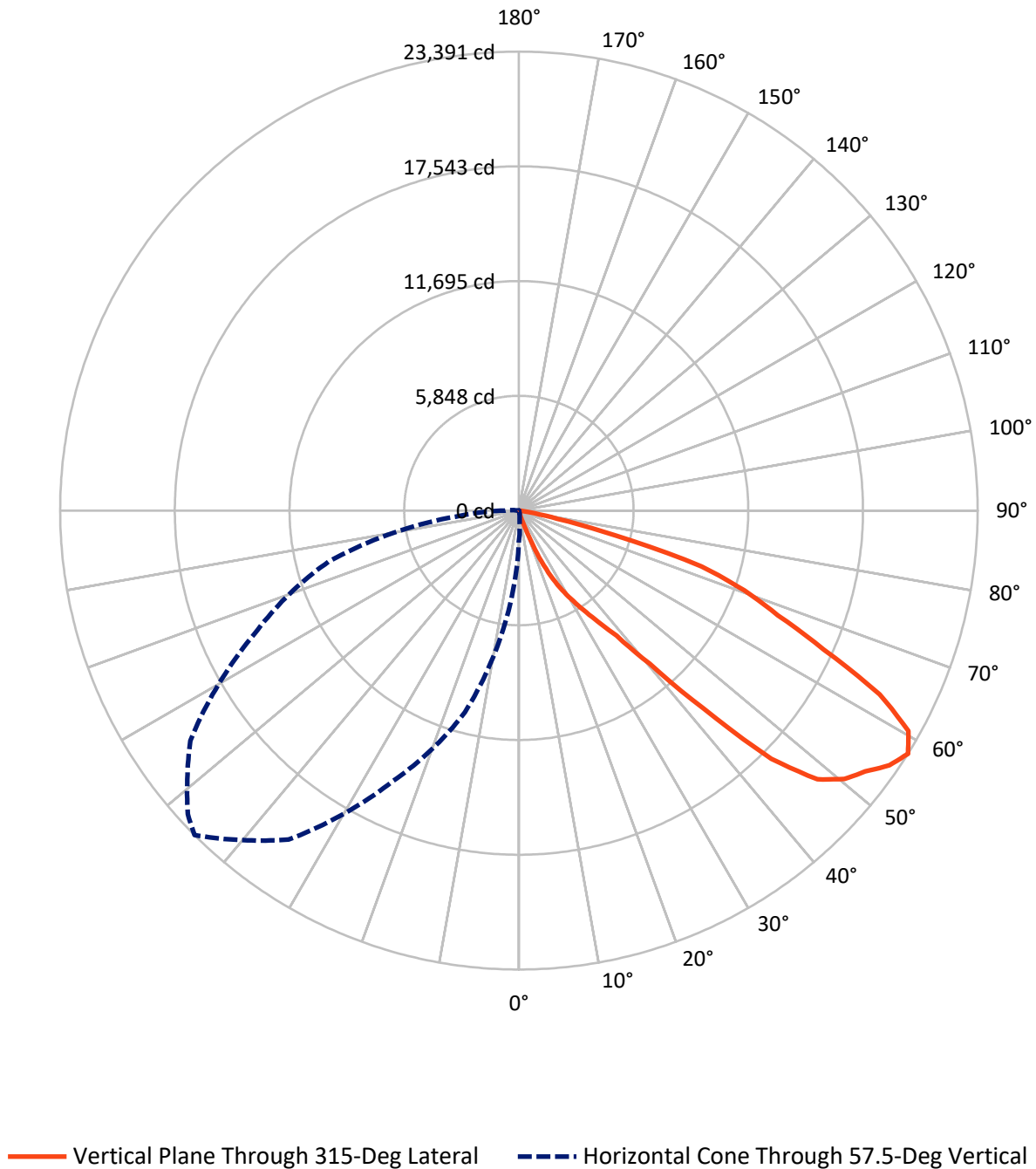
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 1.3 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	45.7	0.0	45.7
	% Fixture	0.5	0.0	0.5
Street Side	Lumens	9076.0	0.0	9076.0
	% Fixture	99.5	0.0	99.5
Total	Lumens	9121.7	0.0	9121.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.6	0.0
10°-20°	20.0	0.2
20°-30°	216.2	2.4
30°-40°	639.3	7.0
40°-50°	1905.2	20.9
50°-60°	3020.9	33.1
60°-70°	2521.7	27.6
70°-80°	777.6	8.5
80°-90°	17.3	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°	9121.7	100.0
0°-180°	9121.7	100.0



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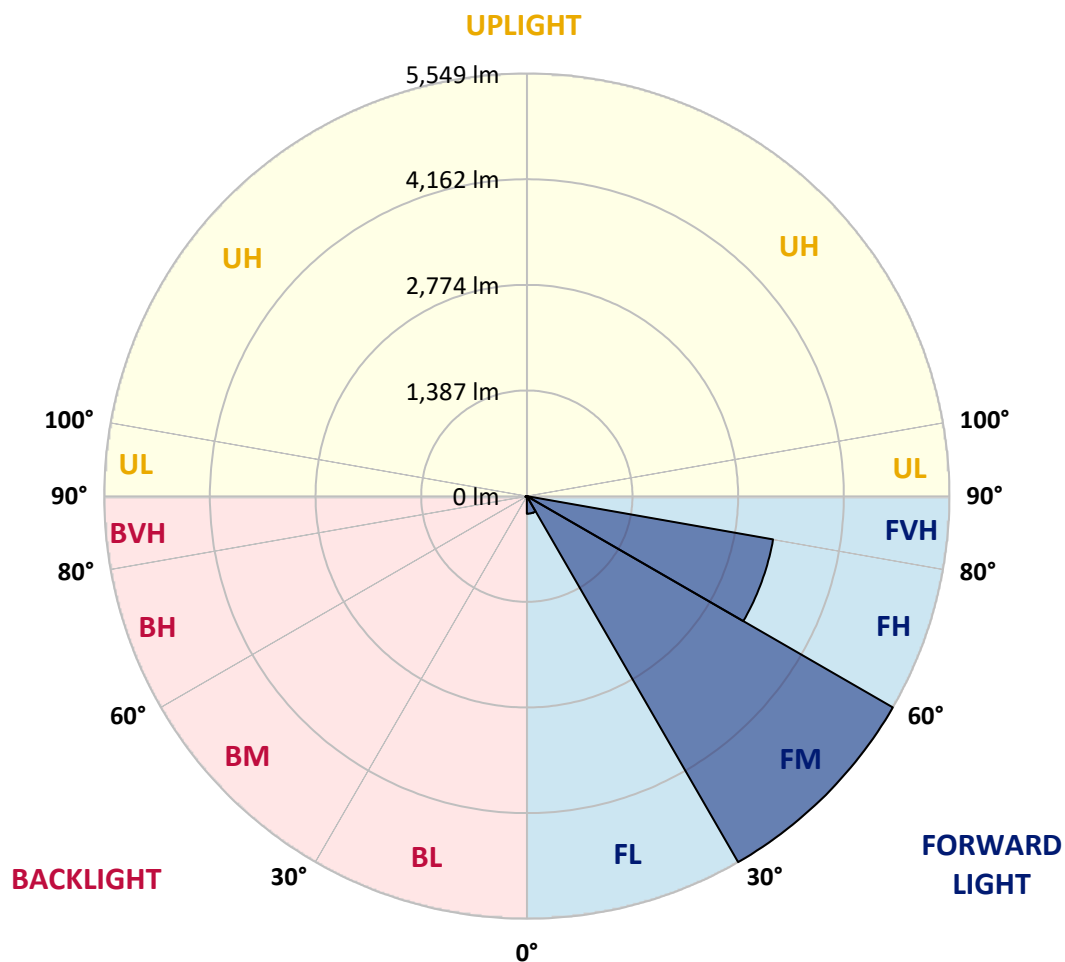
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	231.4	2.5			
FM	(30°-60°)	5549.0	60.8			
FH	(60°-80°)	3282.3	36.0			G2/5000
FVH	(80°-90°)	13.4	0.1			G1/100
BL	(0°-30°)	8.4	0.1	B0/110		
BM	(30°-60°)	16.3	0.2	B0/220		
BH	(60°-80°)	17.0	0.2	B0/110		G0/110
BVH	(80°-90°)	3.9	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°	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
2.5°	36.5	36.5	36.5	36.5	35.8	35.8	35.2	35.2	34.5	34.5
5°	38.6	38.6	37.9	37.2	37.2	36.5	35.8	35.2	35.2	34.5
7.5°	42.0	41.4	40.7	40.0	38.6	37.9	36.5	35.8	35.2	33.8
10°	46.2	44.8	43.4	42.0	40.7	39.3	37.9	37.2	35.8	35.2
12.5°	51.7	49.6	46.9	44.8	43.4	41.4	40.0	38.6	36.5	35.2
15°	56.5	53.8	50.3	47.6	45.5	42.7	40.7	38.6	37.2	35.2
17.5°	63.4	58.6	53.1	49.6	46.9	43.4	40.0	37.9	35.8	33.1
20°	75.1	65.5	55.1	51.0	46.9	42.7	38.6	35.8	33.8	31.0
22.5°	93.7	77.2	60.7	54.5	48.9	42.7	37.2	34.5	31.7	29.0
25°	129.6	100.0	70.3	62.0	53.8	45.5	37.2	33.8	31.0	27.6
27.5°	172.3	128.2	83.4	71.7	60.7	48.9	37.2	33.1	29.6	25.5
30°	215.8	157.2	97.9	82.7	67.6	52.4	37.2	32.4	28.3	23.4
32.5°	257.1	184.0	110.3	92.4	74.4	55.8	37.9	32.4	26.9	21.4
35°	299.2	206.1	112.4	93.7	75.1	55.8	37.2	31.0	25.5	19.3
37.5°	352.9	230.9	108.2	89.6	71.7	53.1	35.2	29.6	24.1	17.9
40°	434.3	272.3	110.3	91.0	71.7	52.4	33.1	27.6	22.7	17.2
42.5°	584.5	352.2	119.3	97.2	75.1	52.4	30.3	25.5	21.4	16.5
45°	1010.5	585.2	159.9	126.8	93.7	60.7	27.6	23.4	20.0	15.9
47.5°	1671.6	979.5	287.4	222.0	157.2	91.7	26.9	23.4	20.0	15.9
50°	2133.4	1247.7	361.9	278.5	195.1	111.7	28.3	24.1	20.7	16.5
52.5°	2130.0	1267.0	403.3	309.5	216.4	122.7	29.6	25.5	22.1	17.9
55°	1893.6	1152.5	410.8	315.7	221.3	126.1	31.7	27.6	23.4	19.3
57.5°	1582.7	978.8	375.0	290.2	206.1	121.3	36.5	31.7	27.6	22.7
60°	1251.8	772.0	292.3	230.9	170.3	108.9	48.3	42.0	36.5	30.3
62.5°	864.4	559.7	255.0	204.7	155.1	104.8	55.1	48.9	43.4	37.2
65°	611.4	421.2	230.2	187.5	145.4	102.7	60.0	53.1	46.9	40.0
67.5°	457.0	335.0	212.3	175.8	139.2	102.7	66.2	57.9	50.3	42.0
70°	350.2	275.0	199.2	169.6	140.6	111.0	81.3	69.6	58.6	46.9
72.5°	285.4	235.1	184.0	162.7	141.3	119.9	98.6	83.4	68.2	52.4
75°	236.4	201.3	166.1	148.2	131.0	113.0	95.1	81.3	68.2	54.5
77.5°	157.2	143.4	128.9	118.6	108.2	97.2	86.9	75.1	64.1	52.4
80°	55.1	53.1	51.0	55.1	59.3	63.4	67.6	59.3	51.7	43.4
82.5°	8.3	7.6	6.9	7.6	8.3	9.0	9.7	10.3	11.0	11.7
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°	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
0.0	2.5°	33.8	33.8	33.1	33.1	33.1	32.4	32.4	31.7	31.7	31.7
0.0	5°	33.1	33.1	32.4	31.7	31.0	31.0	30.3	29.6	29.6	29.0
0.0	7.5°	32.4	31.7	31.0	30.3	29.6	29.0	28.3	27.6	27.6	26.9
0.0	10°	33.1	31.7	31.0	29.6	29.0	28.3	26.9	26.2	25.5	25.5
0.0	12.5°	31.7	31.0	29.6	28.3	27.6	26.2	25.5	24.1	23.4	23.4
0.0	15°	31.7	30.3	28.3	26.9	25.5	24.8	23.4	22.1	21.4	20.7
0.0	17.5°	29.6	28.3	26.2	24.8	23.4	22.1	20.7	19.3	18.6	17.9
0.0	20°	26.9	25.5	23.4	21.4	20.0	18.6	17.2	15.9	15.2	14.5
0.0	22.5°	24.1	22.7	20.7	18.6	17.2	15.9	13.8	12.4	11.7	10.3
0.0	25°	22.7	20.7	18.6	16.5	14.5	13.1	11.0	9.0	7.6	6.2
0.0	27.5°	19.3	17.2	15.2	13.1	11.0	9.0	6.9	4.8	3.4	2.8
0.0	30°	16.5	14.5	12.4	10.3	7.6	5.5	3.4	0.7	0.7	0.7
0.0	32.5°	13.8	11.7	9.0	6.9	5.5	3.4	2.1	0.0	0.0	0.0
0.0	35°	11.0	9.0	6.2	4.1	3.4	2.1	1.4	0.0	0.0	0.0
0.0	37.5°	9.7	7.6	4.8	2.1	1.4	1.4	0.7	0.0	0.0	0.0
0.0	40°	9.0	6.2	3.4	0.7	0.7	0.7	0.0	0.0	0.0	0.0
0.0	42.5°	9.0	6.2	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	9.0	6.2	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	9.0	6.2	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	9.7	6.9	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	11.0	8.3	5.5	2.8	2.1	1.4	0.7	0.0	0.0	0.0
0.0	55°	13.8	12.4	10.3	9.0	6.9	4.8	2.1	0.0	0.0	0.0
0.0	57.5°	17.9	17.9	17.2	16.5	12.4	8.3	4.1	0.0	0.0	0.0
0.0	60°	24.1	24.1	24.1	24.1	17.9	12.4	6.2	0.0	0.0	0.0
0.0	62.5°	29.6	28.3	26.2	24.8	18.6	12.4	6.2	0.0	0.0	0.0
0.0	65°	29.6	26.9	23.4	20.0	15.2	10.3	4.8	0.0	0.0	0.0
0.0	67.5°	27.6	22.1	15.9	10.3	7.6	5.5	2.8	0.0	0.0	0.0
	70°	27.6	19.3	11.0	2.8	2.1	1.4	0.7	0.0	0.0	0.0
	72.5°	27.6	18.6	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	75°	30.3	20.7	10.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	77.5°	30.3	20.7	10.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	80°	26.9	17.9	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	82.5°	9.0	6.2	2.8	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):

[illegible]

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CANDELA DISTRIBUTION (continued):

52.5°		55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°
0.0	0°	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
0.0	2.5°	31.0	31.0	31.0	30.3	30.3	30.3	30.3	29.6	29.6	29.6
0.0	5°	28.3	28.3	27.6	27.6	26.9	26.9	26.2	26.2	25.5	25.5
0.0	7.5°	26.2	25.5	25.5	24.8	24.1	24.1	23.4	23.4	22.7	22.1
0.0	10°	24.1	23.4	23.4	22.7	22.1	21.4	21.4	20.7	20.0	19.3
0.0	12.5°	22.1	21.4	20.7	20.0	19.3	18.6	18.6	17.9	17.2	16.5
0.0	15°	19.3	18.6	17.9	17.2	16.5	15.9	15.9	15.2	14.5	13.8
0.0	17.5°	16.5	15.9	15.9	15.2	14.5	13.8	13.1	11.7	11.0	10.3
0.0	20°	12.4	11.7	11.0	10.3	9.7	8.3	7.6	6.2	4.8	4.1
0.0	22.5°	8.3	6.9	6.2	4.8	3.4	2.8	2.1	0.7	0.0	0.0
0.0	25°	2.8	2.1	1.4	0.7	0.0	0.0	0.0	0.0	0.0	0.0
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	32.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1049217

CATALOG NUMBER: GALN-SA3A-840-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049217

CATALOG NUMBER: GALN-SA3A-840-U-RBC

CANDELA DISTRIBUTION (continued):

80°		82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°
0.0	0°	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
0.0	2.5°	29.0	29.0	29.0	28.3	28.3	28.3	28.3	28.3	28.3	28.3
0.0	5°	24.8	24.8	24.8	24.1	24.1	23.4	23.4	23.4	22.7	22.7
0.0	7.5°	21.4	20.7	20.7	20.0	20.0	19.3	19.3	19.3	18.6	18.6
0.0	10°	17.9	17.2	17.2	16.5	16.5	15.9	15.9	15.2	15.2	14.5
0.0	12.5°	15.9	15.2	14.5	13.8	13.8	13.1	12.4	12.4	11.7	11.0
0.0	15°	12.4	11.7	11.0	10.3	9.7	9.0	8.3	8.3	7.6	6.9
0.0	17.5°	8.3	6.9	6.2	5.5	5.5	4.8	4.1	3.4	2.8	2.1
0.0	20°	2.1	1.4	0.7	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: P1049217

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CANDELA DISTRIBUTION (continued):

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REPORT NUMBER: P1049217

CATALOG NUMBER: GALN-SA3A-840-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°	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
0.0	2.5°	28.3	27.6	27.6	27.6	28.3	28.3	28.3	28.3	28.3	28.3
0.0	5°	22.7	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1
0.0	7.5°	18.6	17.9	17.9	17.9	17.9	17.2	17.2	17.2	17.2	17.2
0.0	10°	14.5	13.8	13.8	13.8	13.8	13.1	13.1	13.1	13.1	13.1
0.0	12.5°	10.3	10.3	9.7	9.7	9.7	9.0	9.0	9.0	9.0	8.3
0.0	15°	6.2	5.5	4.8	4.8	4.8	4.1	4.1	4.1	4.1	3.4
0.0	17.5°	1.4	1.4	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.0
0.0	20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	32.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

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REPORT NUMBER: P1049217

CATALOG NUMBER: GALN-SA3A-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°	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
0.0	2.5°	29.0	29.0	29.6	29.6	30.3	31.7	32.4	33.1	34.5	35.8
0.0	5°	22.7	23.4	23.4	24.1	24.8	25.5	26.2	26.9	28.3	29.6
0.0	7.5°	17.9	17.9	18.6	18.6	19.3	20.7	21.4	22.1	23.4	25.5
0.0	10°	13.8	13.8	14.5	14.5	15.2	16.5	17.2	17.9	19.3	21.4
0.0	12.5°	9.0	9.7	9.7	10.3	11.0	12.4	13.1	13.8	15.2	16.5
0.0	15°	4.1	4.8	4.8	5.5	6.2	7.6	8.3	9.0	10.3	12.4
0.0	17.5°	0.7	0.7	1.4	1.4	2.1	2.8	3.4	4.1	6.2	7.6
0.0	20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.8
0.0	22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
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-SA3A-840-U-RBC

CANDELA DISTRIBUTION (continued):

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REPORT NUMBER: P1049217

CATALOG NUMBER: GALN-SA3A-840-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°	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
0.0	2.5°	37.9	39.3	40.7	42.0	43.4	44.8	45.5	46.9	47.6	48.3
0.0	5°	32.4	33.8	35.8	37.2	38.6	40.0	41.4	42.0	42.7	43.4
0.0	7.5°	28.3	29.6	31.7	33.1	34.5	35.8	37.2	38.6	39.3	40.0
0.0	10°	24.1	26.2	27.6	29.6	31.0	32.4	33.8	35.2	36.5	37.2
0.0	12.5°	19.3	21.4	23.4	24.8	26.9	29.0	30.3	31.7	33.1	34.5
0.0	15°	15.2	17.2	19.3	20.7	22.7	24.8	26.9	28.3	29.6	31.0
0.0	17.5°	11.0	13.1	15.2	16.5	18.6	20.7	22.1	24.1	25.5	26.9
0.0	20°	5.5	7.6	9.7	11.7	13.8	15.9	17.2	19.3	20.7	22.1
0.0	22.5°	0.7	2.8	4.8	6.2	8.3	10.3	11.7	13.8	15.2	16.5
0.0	25°	0.0	0.7	2.1	2.8	3.4	4.8	6.2	7.6	9.0	10.3
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	0.7	1.4	2.8	4.1	5.5
0.0	30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
0.0	32.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
	82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	1.4
	85°	0.0	0.0	0.0	0.0	0.0	1.4	2.1	3.4	4.1	4.8
	87.5°	0.0	0.7	1.4	2.1	2.8	4.1	5.5	6.9	7.6	8.3
	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1049217

CATALOG NUMBER: GALN-SA3A-840-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]



REPORT NUMBER: P1049217

CATALOG NUMBER: GALN-SA3A-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°	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
0.0	2.5°	48.9	48.9	48.9	48.9	48.3	48.3	48.3	47.6	47.6	46.9
0.0	5°	44.8	45.5	45.5	45.5	45.5	45.5	45.5	45.5	44.8	44.8
0.0	7.5°	41.4	42.0	42.7	42.7	43.4	43.4	43.4	42.7	42.7	42.0
0.0	10°	39.3	40.0	40.0	40.7	40.7	40.7	40.7	40.7	40.7	40.7
0.0	12.5°	36.5	37.2	37.9	37.9	38.6	38.6	38.6	38.6	37.9	37.9
0.0	15°	33.1	34.5	35.2	35.8	35.8	36.5	36.5	36.5	36.5	36.5
0.0	17.5°	30.3	31.7	32.4	33.1	33.1	33.8	33.8	34.5	34.5	34.5
0.0	20°	24.8	26.2	26.9	28.3	29.0	29.6	30.3	31.0	31.0	31.7
0.0	22.5°	19.3	20.7	21.4	22.7	23.4	24.1	24.8	25.5	26.2	26.9
0.0	25°	13.8	15.2	15.9	17.2	17.9	18.6	19.3	20.0	20.0	20.7
0.0	27.5°	7.6	9.0	10.3	11.0	12.4	13.1	13.8	14.5	15.2	15.9
0.0	30°	3.4	4.1	4.8	6.2	6.9	7.6	8.3	9.7	10.3	11.0
0.0	32.5°	0.0	0.0	0.7	2.1	2.8	3.4	4.1	4.8	4.8	5.5
0.0	35°	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.4	2.1	2.8
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°	1.4	1.4	1.4	2.1	2.1	2.1	2.1	2.1	2.1	2.1
	82.5°	3.4	4.1	4.8	4.8	5.5	5.5	5.5	5.5	4.8	4.8
	85°	6.9	7.6	8.3	8.3	9.0	9.0	9.0	9.0	9.0	9.0
	87.5°	9.7	10.3	11.0	11.0	11.7	11.7	11.7	11.7	11.7	11.7
	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1049217

CATALOG NUMBER: GALN-SA3A-840-U-RBC

CANDELA DISTRIBUTION (continued):

217.5°		192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°
40.0	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
46.9	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44.8	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.0	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40.7	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.9	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36.5	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34.5	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31.0	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26.9	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21.4	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16.5	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.7	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.9	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.1	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.4	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.4	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.7	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.7	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.7	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.7	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.7	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0											
0.0											
0.0											
0.0											
2.1											
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9.0											
11.7											
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REPORT NUMBER: P1049217

CATALOG NUMBER: GALN-SA3A-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°	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
0.0	2.5°	46.2	46.2	45.5	45.5	45.5	45.5	45.5	46.2	46.9	46.9
0.0	5°	44.1	44.1	43.4	43.4	43.4	44.1	44.1	44.8	45.5	46.2
0.0	7.5°	42.0	41.4	41.4	42.0	42.0	42.7	42.7	43.4	44.1	44.8
0.0	10°	40.7	40.0	40.0	40.0	40.7	40.7	41.4	42.0	42.7	43.4
0.0	12.5°	37.9	37.9	37.9	37.9	38.6	38.6	39.3	40.0	41.4	42.0
0.0	15°	36.5	35.8	35.8	35.8	35.8	36.5	36.5	37.9	39.3	40.0
0.0	17.5°	33.8	33.8	33.1	33.1	33.8	33.8	34.5	35.8	37.2	37.9
0.0	20°	31.0	30.3	29.6	29.6	30.3	30.3	31.0	32.4	33.8	34.5
0.0	22.5°	26.9	26.2	26.2	26.2	26.2	26.9	26.9	28.3	30.3	31.7
0.0	25°	21.4	22.1	22.1	22.7	22.7	23.4	24.1	25.5	27.6	29.0
0.0	27.5°	16.5	17.2	17.2	18.6	19.3	20.0	20.7	22.7	24.8	26.2
0.0	30°	12.4	13.1	13.8	14.5	15.9	17.2	18.6	20.7	22.7	24.1
0.0	32.5°	7.6	9.0	9.7	11.0	12.4	13.8	15.2	17.2	20.0	22.1
0.0	35°	5.5	6.2	7.6	8.3	9.7	11.0	12.4	15.2	17.2	20.0
0.0	37.5°	2.8	4.1	5.5	6.9	8.3	9.7	11.0	13.8	16.5	18.6
0.0	40°	2.1	3.4	4.1	5.5	7.6	9.0	10.3	13.1	15.9	18.6
0.0	42.5°	1.4	2.1	2.8	4.8	6.2	8.3	10.3	13.1	15.9	18.6
0.0	45°	1.4	1.4	2.1	4.1	6.2	9.0	11.0	13.8	15.9	18.6
0.0	47.5°	1.4	2.1	2.8	5.5	6.9	9.0	11.0	13.1	15.9	17.9
0.0	50°	2.1	2.8	3.4	6.2	7.6	9.7	11.0	13.8	15.9	18.6
0.0	52.5°	1.4	2.1	2.8	5.5	7.6	10.3	12.4	15.2	17.9	20.0
0.0	55°	0.7	0.7	0.7	4.1	8.3	11.7	15.9	17.9	20.7	22.7
0.0	57.5°	0.0	0.0	0.0	2.8	8.3	13.1	17.9	20.7	23.4	25.5
0.0	60°	0.0	0.0	0.0	2.8	8.3	13.1	17.9	21.4	24.8	28.3
0.0	62.5°	0.0	0.0	0.0	2.8	6.9	11.0	15.2	20.7	26.9	32.4
0.0	65°	0.0	0.0	0.0	2.1	5.5	9.0	12.4	20.7	29.0	36.5
0.0	67.5°	0.0	0.0	0.0	2.1	5.5	8.3	11.7	20.7	29.0	37.9
	70°	0.0	0.0	0.0	2.1	5.5	9.0	12.4	20.7	29.0	37.2
	72.5°	0.0	0.0	0.0	2.1	6.2	9.7	13.8	20.7	27.6	34.5
	75°	0.0	0.0	0.0	2.8	6.2	10.3	14.5	20.7	26.9	32.4
	77.5°	0.0	0.0	0.0	2.1	6.2	9.7	13.8	20.0	26.2	31.7
	80°	2.1	1.4	1.4	3.4	6.2	9.0	11.7	17.9	24.8	31.0
	82.5°	4.1	4.1	3.4	4.8	6.2	8.3	10.3	15.9	22.1	27.6
	85°	8.3	8.3	7.6	8.3	8.3	9.0	9.7	12.4	15.2	17.9
	87.5°	11.0	11.0	10.3	10.3	10.3	9.7	9.7	9.7	9.7	9.0
	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: P1049217

CATALOG NUMBER: GALN-SA3A-840-U-RBC

CANDELA DISTRIBUTION (continued):

245°		220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°
40.0	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.6	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
46.9	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45.5	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44.1	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.7	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41.4	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39.3	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35.8	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33.1	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30.3	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28.3	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
24.1	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22.1	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21.4	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21.4	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21.4	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20.7	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20.0	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20.7	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22.7	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24.8	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28.3	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31.7	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.9	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44.8	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
46.2	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45.5											
41.4											
38.6											
37.9											
37.2											
33.1											
20.7											
9.0											
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REPORT NUMBER: P1049217

CATALOG NUMBER: GALN-SA3A-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°	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
0.0	2.5°	48.3	48.9	48.9	49.6	50.3	51.0	51.0	51.7	51.7	51.7
0.0	5°	47.6	48.9	49.6	50.3	51.0	51.7	52.4	53.1	53.8	53.8
0.0	7.5°	46.9	47.6	48.9	49.6	51.0	51.7	53.1	53.8	54.5	55.1
0.0	10°	45.5	46.9	48.3	49.6	51.0	52.4	53.8	55.1	56.5	57.2
0.0	12.5°	44.1	46.2	47.6	48.9	51.0	53.1	54.5	56.5	57.9	59.3
0.0	15°	43.4	44.8	46.9	48.3	51.0	53.8	55.8	58.6	61.3	63.4
0.0	17.5°	41.4	44.1	46.2	48.3	51.0	54.5	57.2	60.0	64.1	68.2
0.0	20°	38.6	40.7	43.4	45.5	49.6	53.1	57.2	60.7	66.9	73.1
0.0	22.5°	35.8	38.6	40.7	43.4	48.3	52.4	57.2	61.3	71.7	81.3
0.0	25°	33.1	36.5	39.3	42.0	47.6	53.1	58.6	64.1	81.3	98.6
0.0	27.5°	31.7	34.5	37.9	40.7	47.6	55.1	62.0	68.9	96.5	123.4
0.0	30°	29.6	33.1	35.8	39.3	48.3	57.2	66.2	75.1	117.2	159.2
0.0	32.5°	27.6	31.0	34.5	37.9	49.6	61.3	72.4	84.1	139.2	193.7
0.0	35°	25.5	29.6	33.1	36.5	51.7	67.6	82.7	97.9	159.2	219.9
0.0	37.5°	24.8	29.0	32.4	35.8	52.4	68.2	84.8	100.6	161.3	222.0
0.0	40°	25.5	29.0	33.1	36.5	50.3	64.1	77.2	91.0	154.4	217.1
0.0	42.5°	25.5	29.6	33.8	37.9	48.9	60.0	71.0	82.0	152.3	222.6
0.0	45°	24.8	29.0	33.1	37.2	47.6	57.2	67.6	77.2	164.7	251.6
0.0	47.5°	24.1	28.3	32.4	36.5	46.9	57.2	67.6	77.9	213.0	347.4
0.0	50°	24.1	28.3	31.7	35.2	47.6	60.7	73.1	85.5	310.2	534.2
0.0	52.5°	25.5	29.0	31.7	34.5	48.9	64.1	78.6	93.1	394.3	694.8
0.0	55°	27.6	29.6	32.4	34.5	52.4	69.6	87.5	104.8	419.8	734.8
0.0	57.5°	30.3	32.4	34.5	36.5	58.6	80.7	102.0	124.1	421.9	719.0
0.0	60°	33.8	36.5	38.6	40.7	64.1	88.2	111.7	135.1	381.9	628.0
0.0	62.5°	41.4	44.8	47.6	51.0	73.8	95.8	118.6	140.6	317.1	493.6
0.0	65°	47.6	50.3	53.1	55.8	77.9	100.6	122.7	144.8	268.8	392.9
0.0	67.5°	48.9	51.7	53.8	56.5	79.3	102.0	124.1	146.8	230.2	312.9
	70°	49.6	53.1	57.2	60.7	84.1	107.5	130.3	153.7	204.0	254.4
	72.5°	47.6	54.5	60.7	66.9	88.9	110.3	132.3	153.7	189.6	225.4
	75°	47.6	57.2	66.2	75.1	91.7	107.5	124.1	139.9	167.5	195.1
	77.5°	50.3	62.7	75.1	87.5	97.2	106.2	115.8	124.8	142.7	160.6
	80°	50.3	63.4	75.8	88.9	93.1	97.9	102.0	106.2	108.2	110.3
	82.5°	43.4	53.8	64.1	74.4	69.6	64.8	60.0	55.1	51.7	47.6
	85°	22.1	24.1	25.5	26.9	24.8	22.7	20.7	18.6	17.2	15.2
	87.5°	9.0	9.0	8.3	8.3	8.3	8.3	7.6	7.6	7.6	7.6
	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1049217

CATALOG NUMBER: GALN-SA3A-840-U-RBC

CANDELA DISTRIBUTION (continued):

272.5°		247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°
40.0	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
51.7	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
53.8	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55.8	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58.6	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61.3	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66.9	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
73.8	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
84.8	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
108.2	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
146.8	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
204.0	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
276.4	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
345.3	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
392.2	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
427.4	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
462.5	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
531.5	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
669.3	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1020.2	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1562.7	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1967.3	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2012.1	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1815.7	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1552.3	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1213.2	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
916.8	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
676.9	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
479.1											
356.4											
259.2											
195.1											
109.6											
49.6											
14.5											
6.9											
0.0											
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REPORT NUMBER: P1049217

CATALOG NUMBER: GALN-SA3A-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°	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
0.0	2.5°	51.7	51.0	51.0	50.3	49.6	48.9	48.3	47.6	46.9	46.2
0.0	5°	53.8	53.8	53.8	53.1	53.1	52.4	52.4	51.7	51.0	50.3
0.0	7.5°	55.8	56.5	56.5	57.2	57.2	57.2	57.2	56.5	56.5	56.5
0.0	10°	59.3	60.0	60.7	61.3	62.0	62.7	62.7	63.4	63.4	63.4
0.0	12.5°	63.4	65.5	66.9	68.9	70.3	72.4	73.8	75.8	77.2	78.6
0.0	15°	69.6	73.1	77.2	80.7	84.1	88.9	94.4	99.3	104.1	111.7
0.0	17.5°	78.6	89.6	100.6	111.0	122.0	146.1	170.3	193.7	217.8	253.0
0.0	20°	95.8	128.9	161.3	194.4	226.8	311.6	395.7	480.5	564.6	654.9
0.0	22.5°	134.4	215.8	297.1	378.4	459.8	636.9	813.4	990.5	1167.0	1374.5
0.0	25°	195.1	344.7	494.2	643.1	792.7	1069.8	1347.6	1624.7	1901.8	2171.3
0.0	27.5°	284.0	512.9	741.7	969.9	1198.7	1574.4	1950.8	2326.4	2702.1	3006.8
0.0	30°	393.6	703.8	1014.0	1324.2	1634.4	2061.7	2489.1	2915.8	3343.2	3676.1
0.0	32.5°	497.0	876.8	1256.6	1635.7	2015.6	2502.2	2989.6	3476.2	3962.9	4326.8
0.0	35°	564.6	1023.6	1483.4	1942.5	2401.6	2928.2	3454.9	3980.8	4507.4	4923.1
0.0	37.5°	632.1	1162.2	1691.6	2221.7	2751.1	3329.4	3907.7	4486.1	5064.4	5578.0
0.0	40°	707.9	1329.7	1950.8	2572.5	3193.6	3878.8	4563.3	5248.5	5932.9	6657.4
0.0	42.5°	839.6	1607.5	2376.1	3144.0	3911.9	4818.3	5724.8	6630.5	7537.0	8571.0
0.0	45°	1087.1	2169.3	3252.2	4334.4	5416.7	6617.4	7818.9	9019.7	10220.5	11596.4
0.0	47.5°	1693.0	3181.9	4670.1	6159.0	7647.3	8943.9	10239.8	11536.4	12832.3	14202.7
0.0	50°	2590.5	4323.4	6056.3	7788.6	9521.5	10694.7	11867.3	13040.5	14213.0	15516.5
0.0	52.5°	3239.8	5045.1	6851.1	8656.4	10461.8	11520.6	12580.0	13638.8	14697.6	15915.6
0.0	55°	3288.7	5083.7	6879.4	8674.4	10469.3	11533.0	12596.6	13660.2	14723.8	16014.9
0.0	57.5°	2911.7	4692.2	6472.0	8252.5	10032.3	11243.4	12453.9	13665.0	14875.5	16271.3
0.0	60°	2476.7	4257.9	6038.4	7819.6	9600.1	10995.3	12391.2	13786.3	15181.5	16489.1
0.0	62.5°	1932.2	3764.4	5597.3	7429.5	9261.7	10678.2	12094.8	13510.6	14927.2	15908.1
0.0	65°	1440.0	3219.1	4998.2	6776.7	8555.8	9690.4	10825.0	11959.0	13093.6	13700.9
0.0	67.5°	1040.9	2575.3	4109.0	5643.4	7177.2	7989.2	8801.2	9612.5	10424.5	10889.1
	70°	703.8	1766.7	2829.0	3891.9	4954.1	5621.4	6289.3	6956.6	7623.8	8251.1
	72.5°	487.3	1084.3	1681.9	2278.9	2875.8	3547.2	4217.9	4889.3	5560.0	6223.8
	75°	323.3	594.9	867.2	1138.8	1410.3	1907.3	2405.0	2902.0	3399.0	3794.7
	77.5°	229.5	310.9	392.9	474.2	555.6	648.6	742.4	835.5	928.5	1069.8
	80°	108.9	119.3	129.6	139.2	149.6	183.4	217.1	250.9	284.7	320.5
	82.5°	51.7	55.8	60.0	63.4	67.6	71.0	74.4	77.9	81.3	77.9
	85°	13.8	13.8	14.5	14.5	14.5	14.5	14.5	14.5	14.5	13.8
	87.5°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	5.5	5.5	4.8
	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: P1049217

CATALOG NUMBER: GALN-SA3A-840-U-RBC

CANDELA DISTRIBUTION (continued):

300°		275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°
40.0	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45.5	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49.6	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55.8	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
64.1	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
79.3	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
119.9	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
287.4	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
745.8	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1582.0	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2440.9	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3311.5	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4009.8	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4691.5	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5338.8	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6092.2	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7381.9	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9604.9	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12972.3	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15573.0	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16820.0	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17133.7	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17306.7	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17667.2	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17796.1	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16889.6	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14308.8	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11354.4	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8877.7											
6887.7											
4190.4											
1211.1											
356.4											
73.8											
13.1											
4.8											
0.0											
0.0											
0.0											
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REPORT NUMBER: P1049217

CATALOG NUMBER: GALN-SA3A-840-U-RBC

CANDELA DISTRIBUTION (continued):

300°		302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°
0.0	0°	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
0.0	2.5°	44.8	44.1	43.4	42.7	42.0	40.7	40.7	40.0	40.0
0.0	5°	48.9	48.3	47.6	46.9	46.9	46.2	45.5	45.5	44.8
0.0	7.5°	55.8	55.1	54.5	53.8	53.8	53.1	53.1	52.4	52.4
0.0	10°	64.1	64.1	64.1	64.1	64.1	63.4	63.4	63.4	62.7
0.0	12.5°	80.7	81.3	82.7	84.1	86.2	86.2	86.2	85.5	85.5
0.0	15°	127.5	135.1	140.6	146.1	151.0	162.0	160.6	158.5	157.2
0.0	17.5°	322.6	357.1	375.7	393.6	412.2	463.2	454.9	446.7	439.1
0.0	20°	836.1	926.4	986.4	1046.4	1107.0	1202.9	1179.4	1156.0	1132.5
0.0	22.5°	1788.8	1996.3	2086.6	2176.9	2266.5	2382.3	2307.1	2232.0	2157.6
0.0	25°	2709.7	2979.2	3131.6	3283.9	3435.6	3501.7	3403.8	3305.3	3207.4
0.0	27.5°	3616.2	3920.8	4055.3	4189.0	4323.4	4461.9	4340.6	4218.6	4097.3
0.0	30°	4342.7	4675.6	4821.1	4965.8	5111.3	5207.8	5082.3	4956.2	4830.7
0.0	32.5°	5055.4	5419.4	5578.6	5737.9	5896.4	6035.0	5880.6	5725.5	5571.1
0.0	35°	5753.7	6169.4	6388.6	6607.8	6827.0	6955.9	6772.5	6588.5	6405.1
0.0	37.5°	6605.7	7119.3	7364.7	7610.1	7855.5	8090.5	7888.5	7685.9	7483.9
0.0	40°	8106.4	8830.8	9207.2	9584.3	9960.6	10263.9	10008.9	9753.8	9498.8
0.0	42.5°	10638.9	11672.9	12214.0	12754.4	13295.5	13769.1	13501.0	13232.8	12964.7
0.0	45°	14348.1	15724.0	16383.7	17042.7	17702.3	18048.4	17662.4	17275.7	16889.6
0.0	47.5°	16942.7	18313.1	18900.4	19487.7	20075.0	20470.0	19997.8	19525.6	19054.1
0.0	50°	18122.8	19426.3	20015.7	20604.4	21193.7	21507.4	20962.1	20416.2	19870.9
0.0	52.5°	18351.0	19569.0	20272.1	20975.9	21679.0	22098.1	21454.3	20809.8	20166.0
0.0	55°	18597.8	19888.9	20704.3	21520.5	22335.9	22916.3	22188.4	21459.8	20731.9
0.0	57.5°	19062.4	20458.2	21271.6	22084.3	22897.7	23390.6	22660.6	21929.9	21199.9
0.0	60°	19103.7	20410.7	21109.6	21809.3	22508.3	22818.5	22120.2	21421.2	20722.9
0.0	62.5°	17870.5	18851.4	19336.7	19822.0	20307.3	20644.3	19915.7	19186.4	18457.8
0.0	65°	14916.1	15523.4	15910.1	16296.8	16683.5	17085.4	16418.1	15750.9	15083.6
0.0	67.5°	11819.0	12283.6	12793.0	13302.4	13811.8	14241.3	13707.1	13172.2	12637.9
	70°	9505.0	10131.6	10704.4	11277.2	11850.0	12201.6	11665.3	11128.3	10592.0
	72.5°	7551.5	8215.3	8693.7	9171.4	9649.7	9735.9	9341.6	8947.3	8553.7
	75°	4585.3	4981.0	4990.7	4999.6	5009.3	5091.3	4764.6	4437.8	4111.8
	77.5°	1352.4	1493.7	1610.2	1726.0	1842.5	1983.2	1863.2	1742.6	1622.7
	80°	391.5	427.4	457.7	487.3	517.7	499.8	471.5	443.2	415.0
	82.5°	70.3	66.2	65.5	64.8	64.8	61.3	55.8	50.3	44.8
	85°	12.4	11.7	11.0	10.3	9.7	9.0	7.6	6.9	5.5
	87.5°	4.1	3.4	2.8	2.1	2.1	0.7	0.7	0.7	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: P1049217

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CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049217

CATALOG NUMBER: GALN-SA3A-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°	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
0.0	0.0	2.5°	39.3	38.6	38.6	38.6	38.6	37.9	37.9	37.9	37.9
0.0	0.0	5°	43.4	43.4	42.7	42.7	42.0	42.0	41.4	41.4	40.7
0.0	0.0	7.5°	51.0	50.3	49.6	48.9	48.3	46.9	46.2	45.5	45.5
0.0	0.0	10°	61.3	60.0	59.3	57.9	57.2	55.8	54.5	53.1	51.7
0.0	0.0	12.5°	80.7	77.9	75.8	73.1	70.3	68.2	65.5	63.4	60.7
0.0	0.0	15°	139.9	133.0	125.5	116.5	106.8	97.9	88.2	82.7	76.5
0.0	0.0	17.5°	357.8	321.9	285.4	255.7	226.1	197.1	167.5	146.1	124.8
0.0	0.0	20°	910.6	811.3	712.1	614.2	515.6	417.7	319.2	269.5	219.9
0.0	0.0	22.5°	1713.6	1529.6	1344.9	1166.3	987.1	808.6	630.0	517.7	406.0
0.0	0.0	25°	2644.9	2413.3	2181.7	1888.0	1593.7	1300.1	1006.4	823.7	641.1
0.0	0.0	27.5°	3441.8	3175.0	2908.2	2551.2	2194.1	1837.0	1480.0	1207.7	936.1
0.0	0.0	30°	4131.8	3845.0	3558.3	3142.6	2726.9	2311.3	1895.6	1555.1	1214.6
0.0	0.0	32.5°	4730.1	4386.8	4043.5	3614.8	3186.0	2757.3	2328.5	1910.8	1493.1
0.0	0.0	35°	5420.1	5019.6	4618.4	4142.8	3666.5	3190.8	2715.2	2243.7	1771.5
0.0	0.0	37.5°	6296.9	5805.4	5313.3	4783.2	4253.1	3723.7	3193.6	2654.6	2115.5
0.0	0.0	40°	7975.4	7341.2	6707.1	6033.6	5359.4	4686.0	4012.5	3350.8	2689.0
0.0	0.0	42.5°	10982.9	10126.1	9269.2	8373.1	7476.3	6580.2	5683.4	4750.1	3816.1
0.0	0.0	45°	14377.1	13314.2	12250.5	11244.8	10238.4	9232.7	8227.0	6946.2	5665.5
0.0	0.0	47.5°	16285.8	15138.1	13990.4	13038.4	12086.5	11134.5	10182.6	8801.9	7421.2
0.0	0.0	50°	16988.2	15819.8	14651.4	13775.3	12898.5	12022.4	11145.6	9762.8	8379.3
0.0	0.0	52.5°	17137.8	15946.0	14754.1	13872.5	12990.9	12109.9	11228.3	9854.5	8480.7
0.0	0.0	55°	17445.2	16166.5	14887.2	13882.2	12877.1	11872.1	10867.1	9471.2	8075.3
0.0	0.0	57.5°	17847.1	16536.0	15224.9	14080.0	12935.0	11790.8	10645.8	9119.7	7593.5
0.0	0.0	60°	17741.6	16600.8	15459.3	14233.0	13006.0	11779.7	10552.8	8874.3	7195.1
0.0	0.0	62.5°	15910.8	15002.3	14093.1	13084.6	12075.5	11067.0	10058.5	8330.4	6602.3
0.0	0.0	65°	13089.4	12426.3	11763.2	10951.9	10139.8	9328.5	8517.2	6967.6	5418.7
0.0	0.0	67.5°	10608.6	9861.4	9113.5	8466.9	7819.6	7173.0	6525.8	5306.4	4087.0
		70°	8428.3	7615.6	6802.2	6170.8	5538.7	4907.2	4275.8	3465.2	2655.2
		72.5°	6693.3	5960.5	5227.8	4554.3	3880.2	3206.7	2532.5	2053.5	1574.4
		75°	3199.1	2906.2	2613.2	2261.0	1908.7	1556.5	1204.2	995.4	787.2
		77.5°	1185.6	1027.8	869.2	725.9	582.5	439.8	296.4	271.6	246.8
		80°	306.7	267.5	227.5	199.2	170.3	142.0	113.7	102.7	92.4
		82.5°	35.2	32.4	30.3	29.0	26.9	25.5	23.4	21.4	19.3
		85°	2.1	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

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REPORT NUMBER: P1049217

CATALOG NUMBER: GALN-SA3A-840-U-RBC

CANDELA DISTRIBUTION (continued):

352.5°	355°		357.5°	360°
0.0	0.0	0°	40.0	40.0
0.0	0.0	2.5°	37.2	36.5
0.0	0.0	5°	39.3	38.6
0.0	0.0	7.5°	43.4	42.0
0.0	0.0	10°	47.6	46.2
0.0	0.0	12.5°	53.8	51.7
0.0	0.0	15°	60.7	56.5
0.0	0.0	17.5°	72.4	63.4
0.0	0.0	20°	97.9	75.1
0.0	0.0	22.5°	137.9	93.7
0.0	0.0	25°	202.7	129.6
0.0	0.0	27.5°	281.9	172.3
0.0	0.0	30°	375.0	215.8
0.0	0.0	32.5°	457.0	257.1
0.0	0.0	35°	563.9	299.2
0.0	0.0	37.5°	695.5	352.9
0.0	0.0	40°	899.6	434.3
0.0	0.0	42.5°	1267.0	584.5
0.0	0.0	45°	2057.6	1010.5
0.0	0.0	47.5°	3166.0	1671.6
0.0	0.0	50°	3873.3	2133.4
0.0	0.0	52.5°	3931.2	2130.0
0.0	0.0	55°	3588.6	1893.6
0.0	0.0	57.5°	3061.9	1582.7
0.0	0.0	60°	2545.0	1251.8
0.0	0.0	62.5°	2005.2	864.4
0.0	0.0	65°	1465.5	611.4
0.0	0.0	67.5°	1052.6	457.0
		70°	692.1	350.2
		72.5°	450.8	285.4
		75°	303.3	236.4
		77.5°	177.2	157.2
		80°	62.7	55.1
		82.5°	11.7	8.3
		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: P1049217

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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

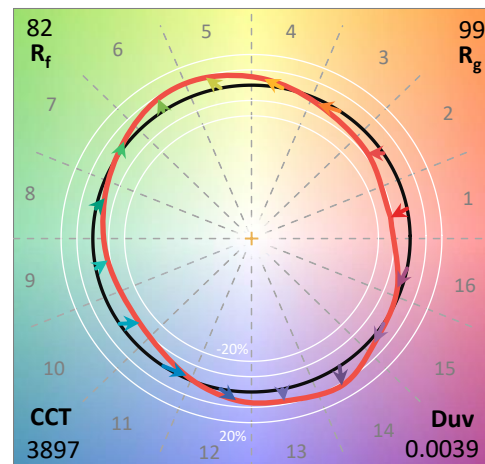
Test Information

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

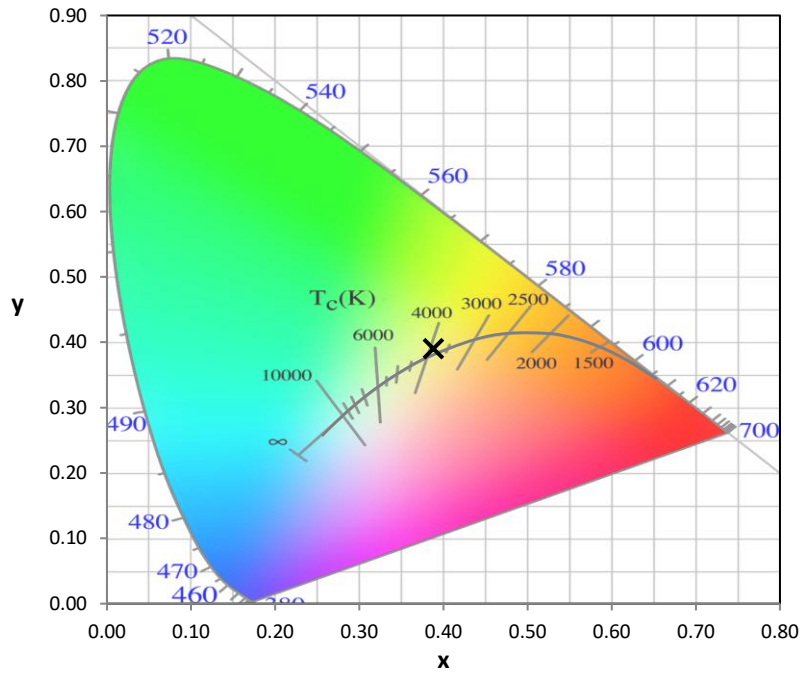
Stabilization Time: 24M
 Operation Time: 1H 24M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-11

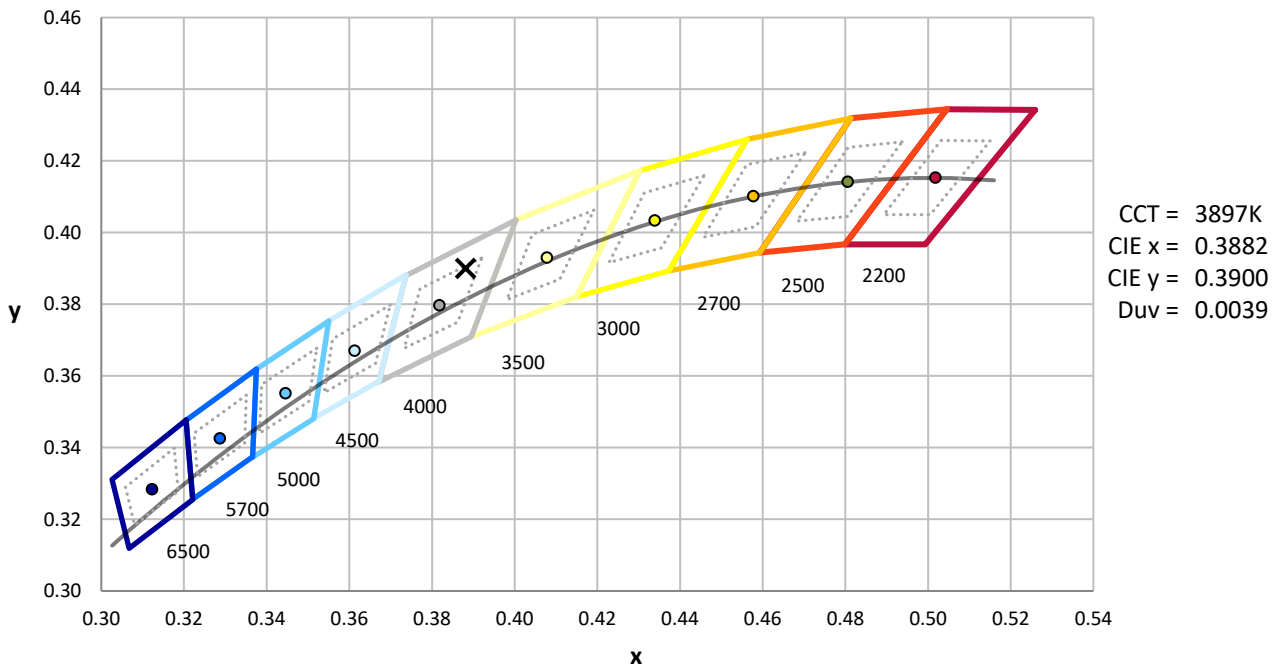
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



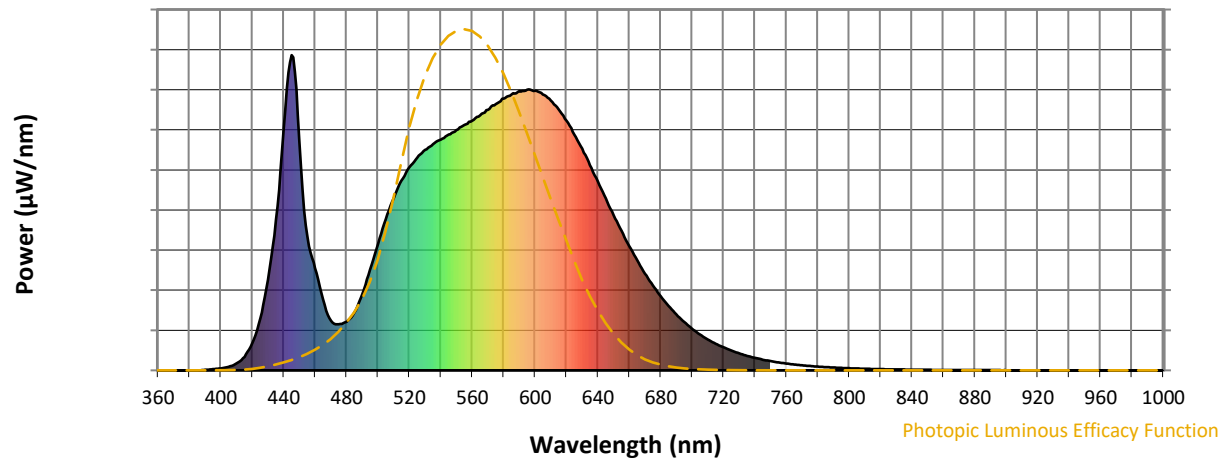
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 4000K 4-step quadrangle

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Photopic Flux vs. Wavelength

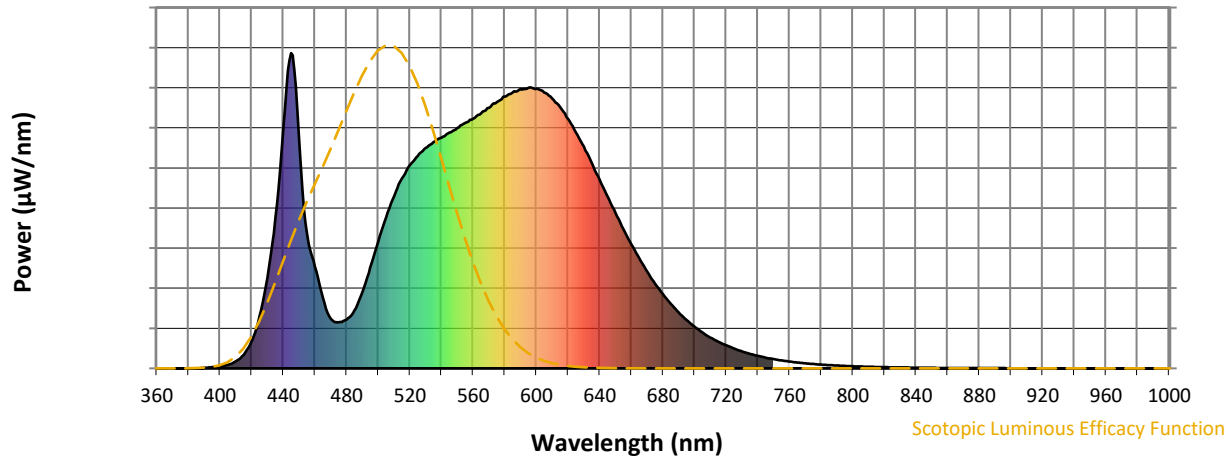


Photopic Lumens: NR

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			

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Scotopic Flux vs. Wavelength



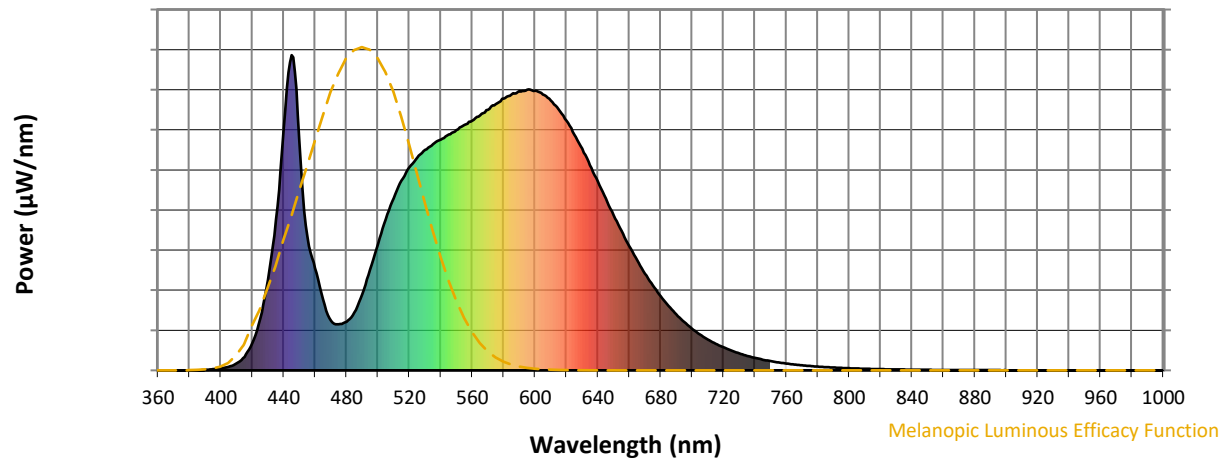
Scotopic Lumens: NR

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			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 3.06

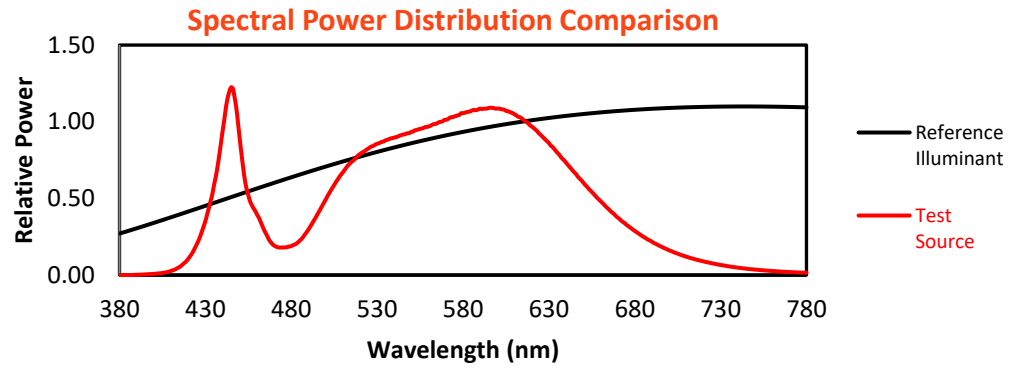
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	242	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			

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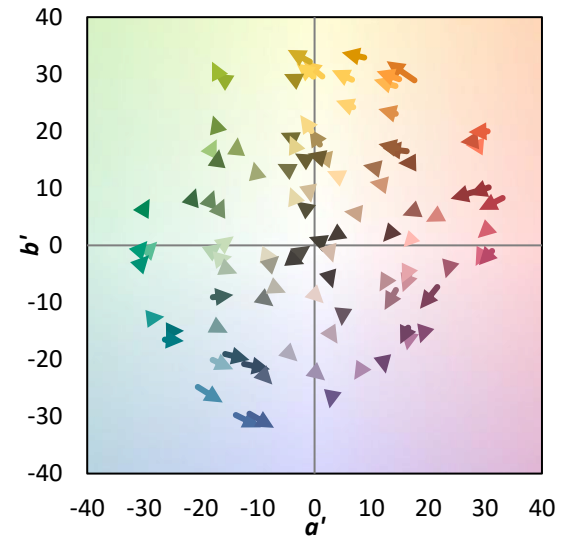
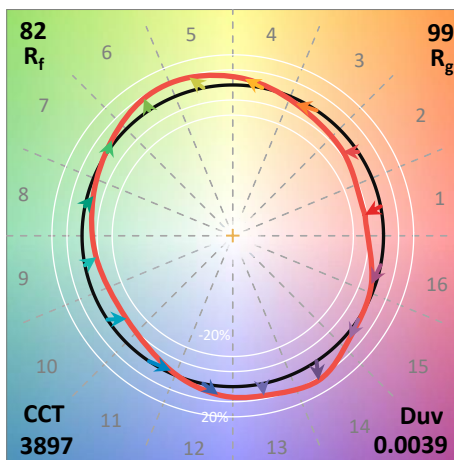
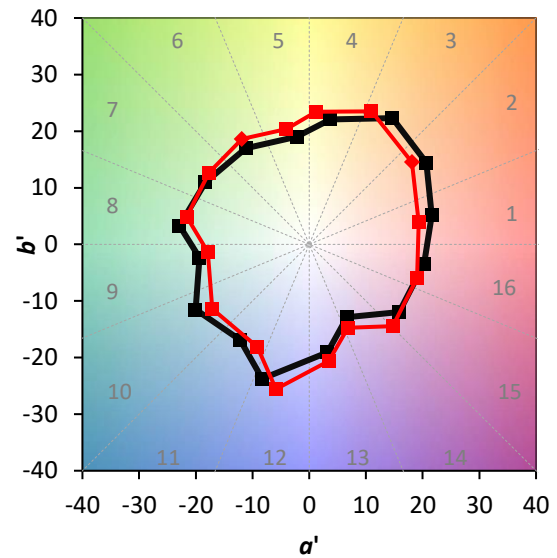
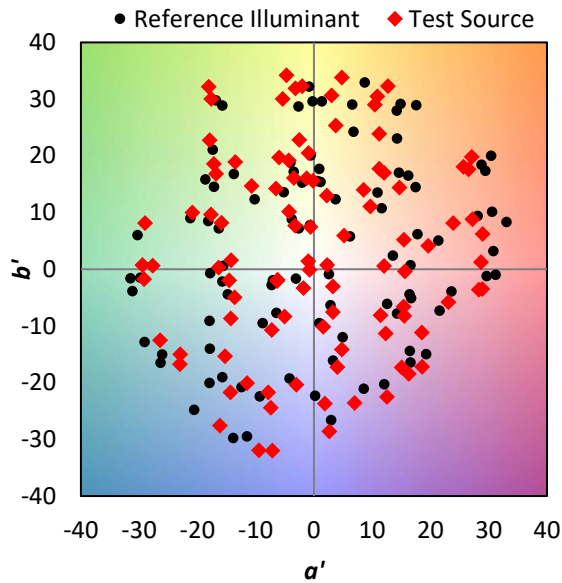
TM-30-18

Summary

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

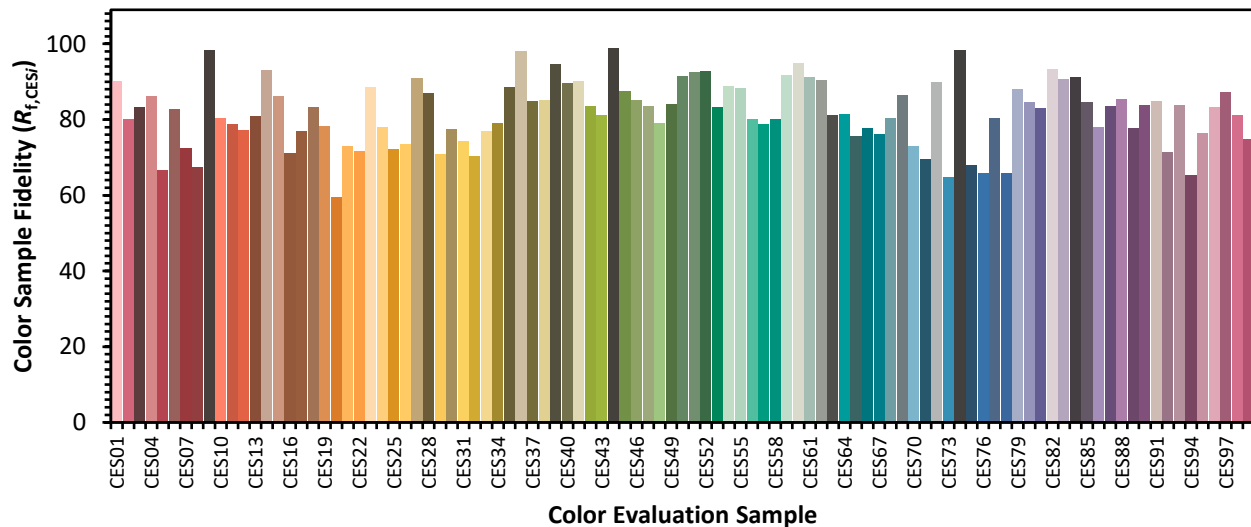


Color Vector Graphics

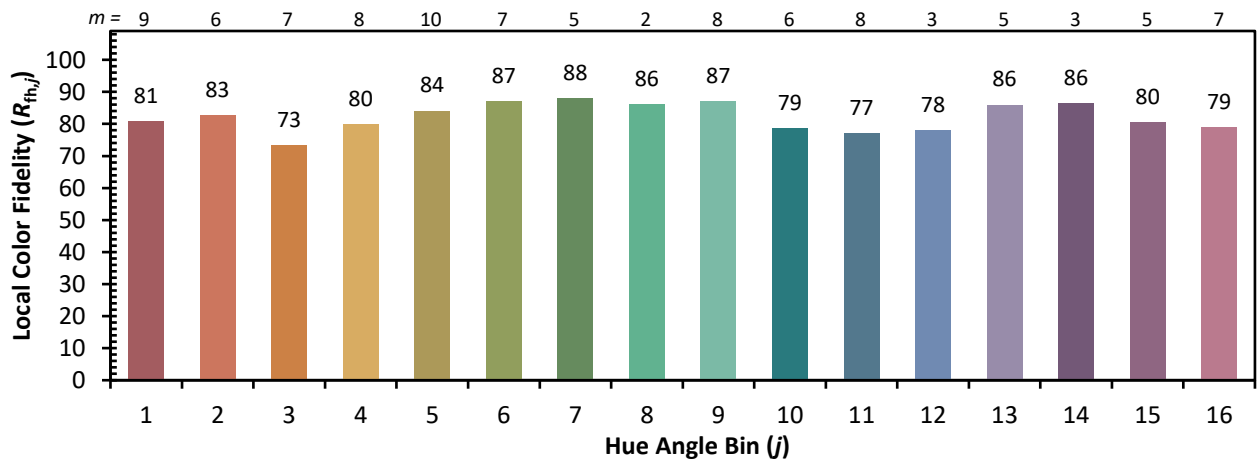
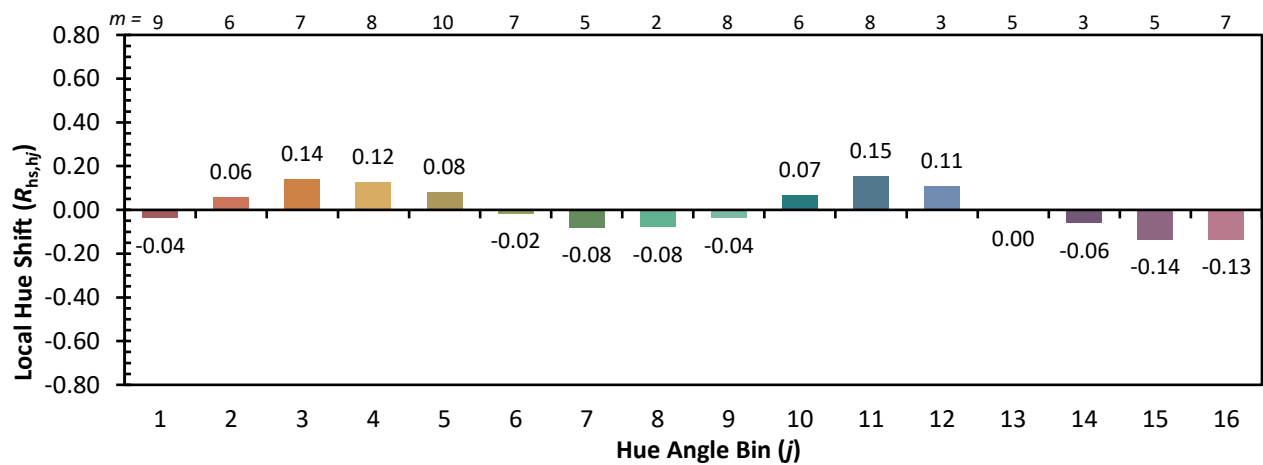
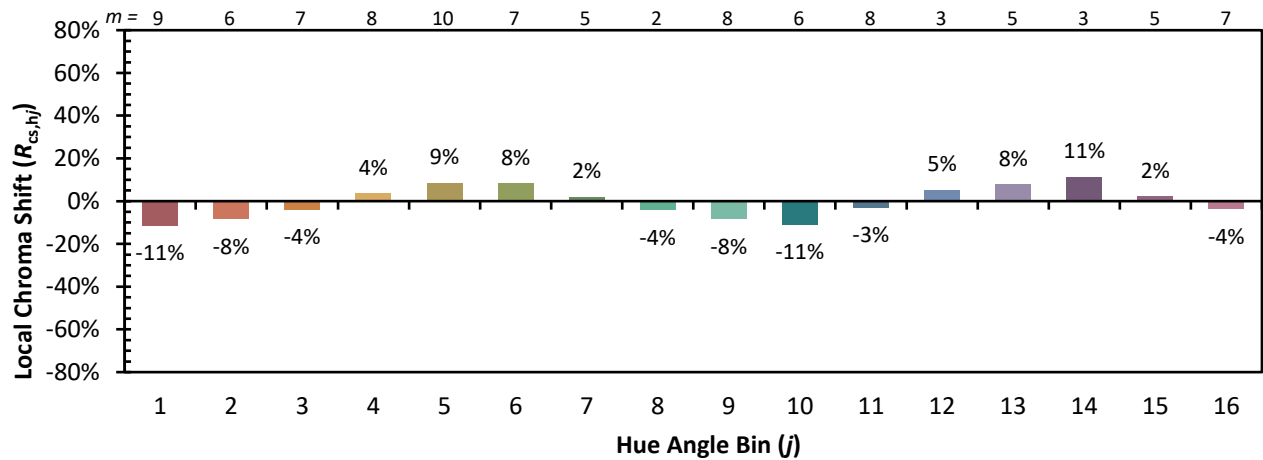


Individual Sample Fidelity Index ($R_{f,i}$)

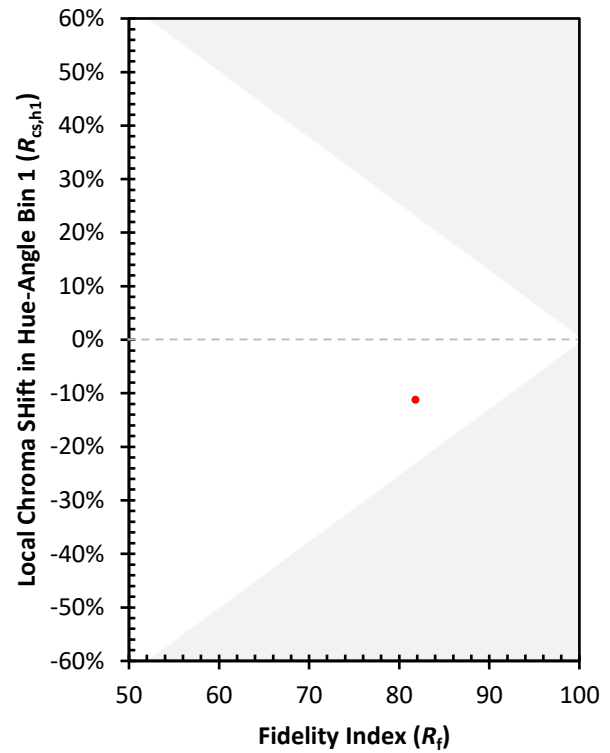
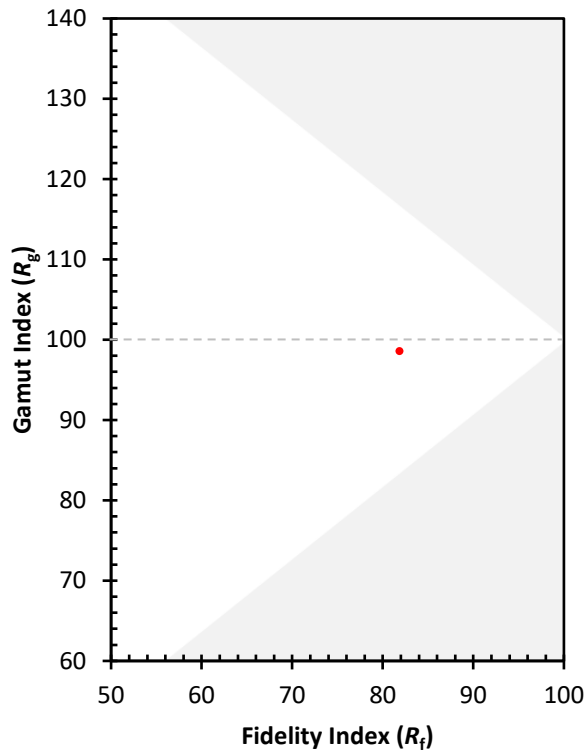
CES01 = 85	CES26 = 73	CES51 = 93	CES76 = 66
CES02 = 61	CES27 = 91	CES52 = 93	CES77 = 80
CES03 = 31	CES28 = 87	CES53 = 83	CES78 = 66
CES04 = 69	CES29 = 71	CES54 = 89	CES79 = 88
CES05 = 48	CES30 = 77	CES55 = 88	CES80 = 85
CES06 = 50	CES31 = 74	CES56 = 80	CES81 = 83
CES07 = 41	CES32 = 70	CES57 = 79	CES82 = 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)