

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: P1049441

Luminaire Tested: **GALN-SA5A-950-U-RBC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1049441
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA5A-950-U-RBC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 615mA 5xLight Square PACKAGE
90CRI 5000K FIXTURE w/ RIGHT CORNER BACKLIGHT CONTROL
Light Source: (70) 5000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12829.2 lumens
Efficiency: N/A
Efficacy: 93.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G2

Input Watts (W): 136.6
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

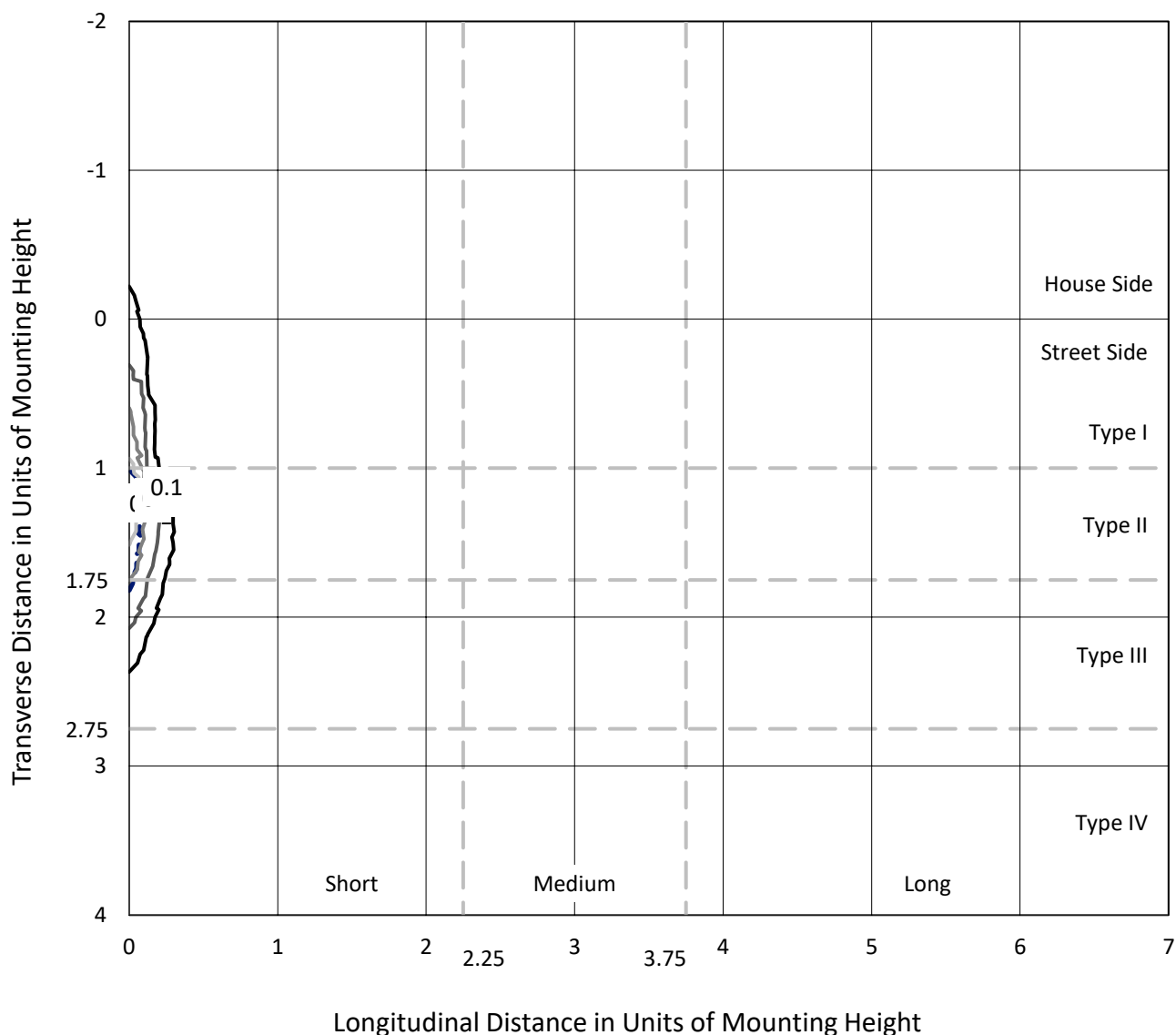
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



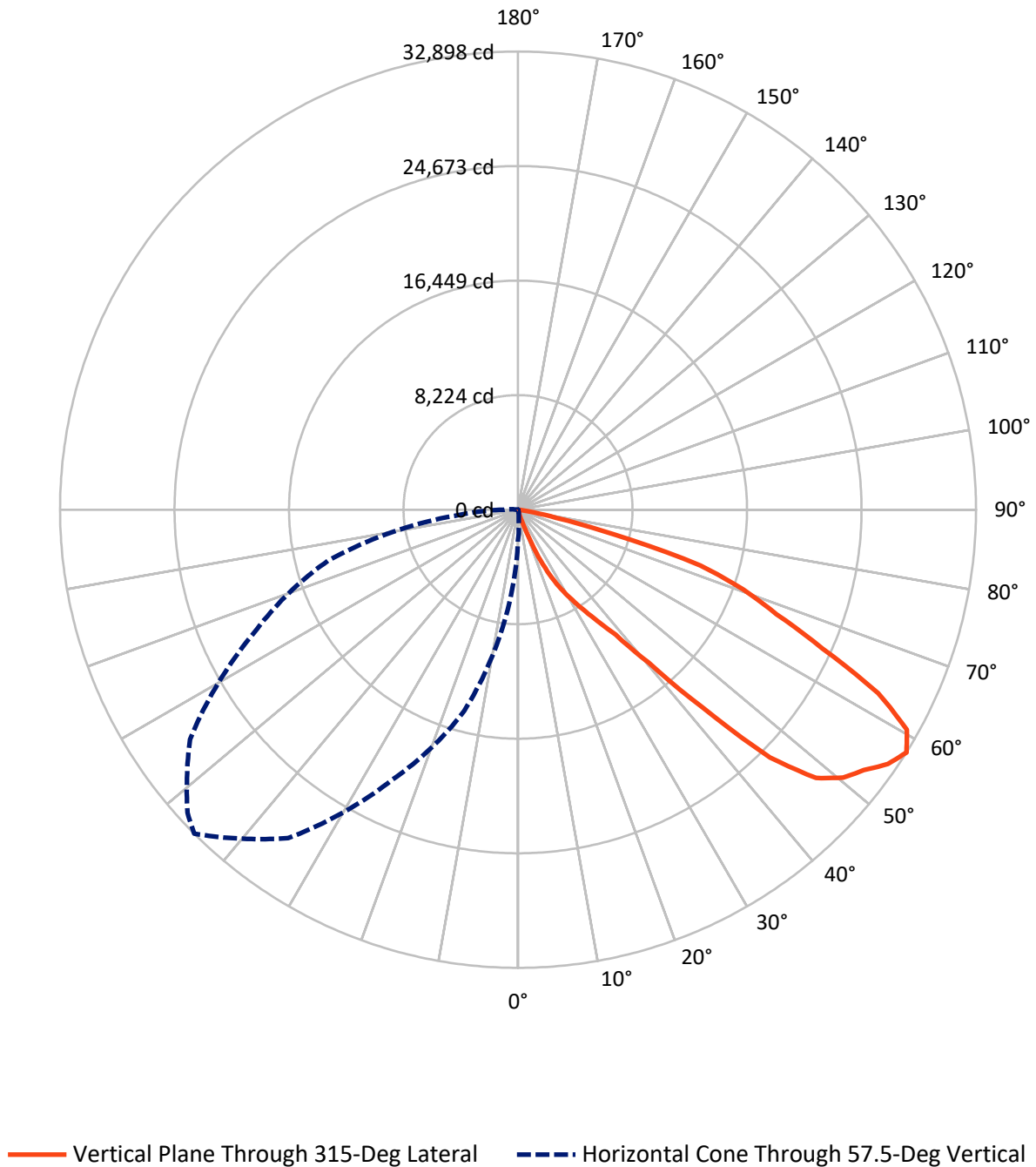
Based on 20 foot mounting height. Maximum calculated value = 1.9 fc

Type III - Short - N/A

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CATALOG NUMBER: GALN-SA5A-950-U-RBC

Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	64.2	0.0	64.2
	% Fixture	0.5	0.0	0.5
Street Side	Lumens	12765.0	0.0	12765.0
	% Fixture	99.5	0.0	99.5
Total	Lumens	12829.2	0.0	12829.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.0	0.0
10°-20°	28.2	0.2
20°-30°	304.0	2.4
30°-40°	899.1	7.0
40°-50°	2679.5	20.9
50°-60°	4248.7	33.1
60°-70°	3546.7	27.6
70°-80°	1093.7	8.5
80°-90°	24.3	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°	12829.2	100.0
0°-180°	12829.2	100.0



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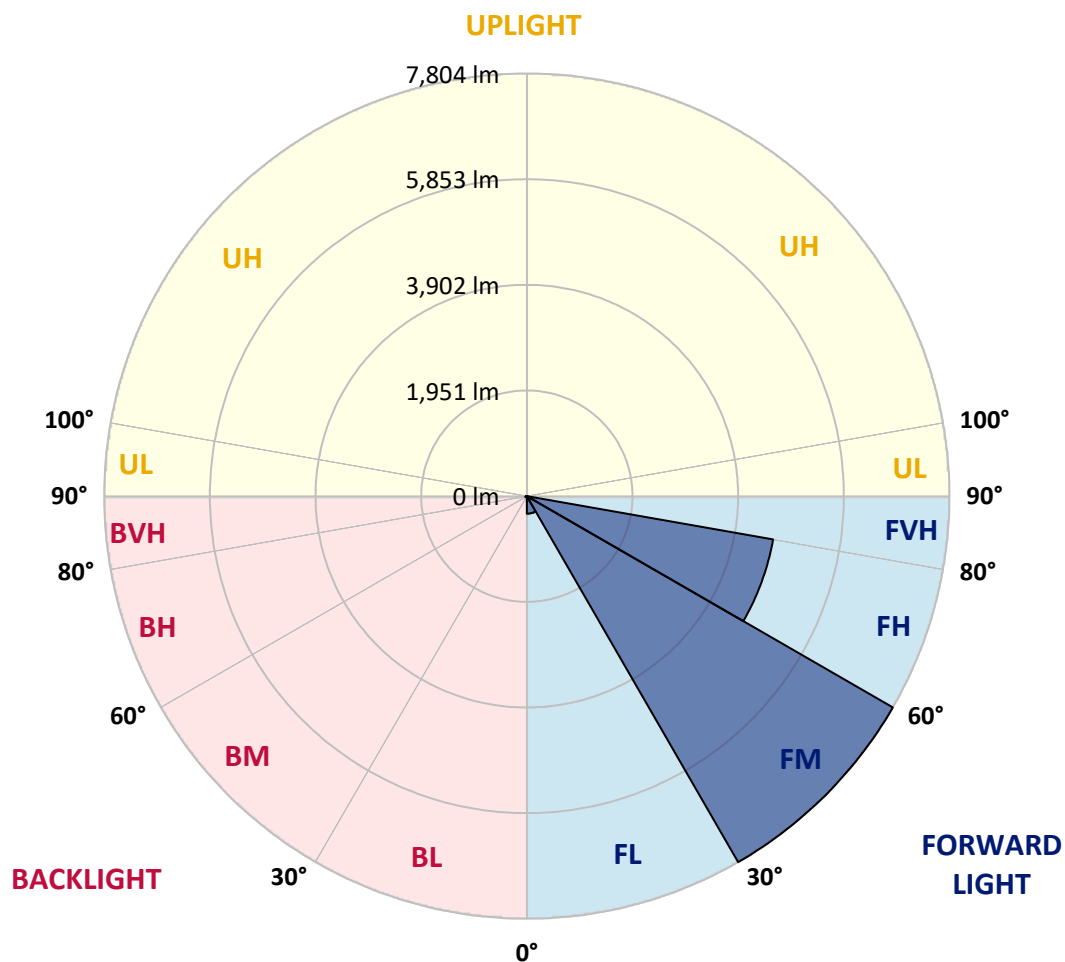
CATALOG NUMBER: GALN-SA5A-950-U-RBC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	325.5	2.5			
FM	(30°-60°)	7804.4	60.8			
FH	(60°-80°)	4616.4	36.0			G2/5000
FVH	(80°-90°)	18.8	0.1			G1/100
BL	(0°-30°)	11.8	0.1	B0/110		
BM	(30°-60°)	23.0	0.2	B0/220		
BH	(60°-80°)	24.0	0.2	B0/110		G0/110
BVH	(80°-90°)	5.5	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°	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
2.5°	51.4	51.4	51.4	51.4	50.4	50.4	49.4	49.4	48.5	48.5
5°	54.3	54.3	53.3	52.4	52.4	51.4	50.4	49.4	49.4	48.5
7.5°	59.1	58.2	57.2	56.2	54.3	53.3	51.4	50.4	49.4	47.5
10°	65.0	63.0	61.1	59.1	57.2	55.3	53.3	52.4	50.4	49.4
12.5°	72.7	69.8	65.9	63.0	61.1	58.2	56.2	54.3	51.4	49.4
15°	79.5	75.6	70.8	66.9	64.0	60.1	57.2	54.3	52.4	49.4
17.5°	89.2	82.4	74.7	69.8	65.9	61.1	56.2	53.3	50.4	46.5
20°	105.7	92.1	77.6	71.7	65.9	60.1	54.3	50.4	47.5	43.6
22.5°	131.9	108.6	85.3	76.6	68.8	60.1	52.4	48.5	44.6	40.7
25°	182.3	140.6	98.9	87.3	75.6	64.0	52.4	47.5	43.6	38.8
27.5°	242.4	180.3	117.3	100.8	85.3	68.8	52.4	46.5	41.7	35.9
30°	303.5	221.0	137.7	116.3	95.0	73.7	52.4	45.6	39.7	33.0
32.5°	361.6	258.9	155.1	129.9	104.7	78.5	53.3	45.6	37.8	30.1
35°	420.8	289.9	158.0	131.9	105.7	78.5	52.4	43.6	35.9	27.1
37.5°	496.4	324.8	152.2	126.0	100.8	74.7	49.4	41.7	33.9	25.2
40°	610.8	382.9	155.1	128.0	100.8	73.7	46.5	38.8	32.0	24.2
42.5°	822.1	495.4	167.7	136.7	105.7	73.7	42.7	35.9	30.1	23.3
45°	1421.3	823.1	224.9	178.4	131.9	85.3	38.8	33.0	28.1	22.3
47.5°	2351.0	1377.7	404.3	312.2	221.0	128.9	37.8	33.0	28.1	22.3
50°	3000.6	1754.8	509.0	391.7	274.4	157.1	39.7	33.9	29.1	23.3
52.5°	2995.7	1781.9	567.2	435.3	304.4	172.6	41.7	35.9	31.0	25.2
55°	2663.2	1621.0	577.8	444.0	311.2	177.4	44.6	38.8	33.0	27.1
57.5°	2226.0	1376.7	527.4	408.2	289.9	170.6	51.4	44.6	38.8	32.0
60°	1760.6	1085.8	411.1	324.8	239.5	153.2	67.9	59.1	51.4	42.7
62.5°	1215.7	787.2	358.7	287.9	218.1	147.4	77.6	68.8	61.1	52.4
65°	859.9	592.4	323.8	263.7	204.6	144.5	84.3	74.7	65.9	56.2
67.5°	642.8	471.2	298.6	247.2	195.8	144.5	93.1	81.4	70.8	59.1
70°	492.5	386.8	280.2	238.5	197.8	156.1	114.4	97.9	82.4	65.9
72.5°	401.4	330.6	258.9	228.8	198.7	168.7	138.6	117.3	96.0	73.7
75°	332.5	283.1	233.6	208.4	184.2	159.0	133.8	114.4	96.0	76.6
77.5°	221.0	201.7	181.3	166.8	152.2	136.7	122.2	105.7	90.2	73.7
80°	77.6	74.7	71.7	77.6	83.4	89.2	95.0	83.4	72.7	61.1
82.5°	11.6	10.7	9.7	10.7	11.6	12.6	13.6	14.5	15.5	16.5
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-SA5A-950-U-RBC

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°	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
0.0	2.5°	47.5	47.5	46.5	46.5	46.5	45.6	45.6	44.6	44.6	44.6
0.0	5°	46.5	46.5	45.6	44.6	43.6	43.6	42.7	41.7	41.7	40.7
0.0	7.5°	45.6	44.6	43.6	42.7	41.7	40.7	39.7	38.8	38.8	37.8
0.0	10°	46.5	44.6	43.6	41.7	40.7	39.7	37.8	36.8	35.9	35.9
0.0	12.5°	44.6	43.6	41.7	39.7	38.8	36.8	35.9	33.9	33.0	33.0
0.0	15°	44.6	42.7	39.7	37.8	35.9	34.9	33.0	31.0	30.1	29.1
0.0	17.5°	41.7	39.7	36.8	34.9	33.0	31.0	29.1	27.1	26.2	25.2
0.0	20°	37.8	35.9	33.0	30.1	28.1	26.2	24.2	22.3	21.3	20.4
0.0	22.5°	33.9	32.0	29.1	26.2	24.2	22.3	19.4	17.5	16.5	14.5
0.0	25°	32.0	29.1	26.2	23.3	20.4	18.4	15.5	12.6	10.7	8.7
0.0	27.5°	27.1	24.2	21.3	18.4	15.5	12.6	9.7	6.8	4.8	3.9
0.0	30°	23.3	20.4	17.5	14.5	10.7	7.8	4.8	1.0	1.0	1.0
0.0	32.5°	19.4	16.5	12.6	9.7	7.8	4.8	2.9	0.0	0.0	0.0
0.0	35°	15.5	12.6	8.7	5.8	4.8	2.9	1.9	0.0	0.0	0.0
0.0	37.5°	13.6	10.7	6.8	2.9	1.9	1.9	1.0	0.0	0.0	0.0
0.0	40°	12.6	8.7	4.8	1.0	1.0	1.0	0.0	0.0	0.0	0.0
0.0	42.5°	12.6	8.7	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	12.6	8.7	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	12.6	8.7	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	13.6	9.7	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	15.5	11.6	7.8	3.9	2.9	1.9	1.0	0.0	0.0	0.0
0.0	55°	19.4	17.5	14.5	12.6	9.7	6.8	2.9	0.0	0.0	0.0
0.0	57.5°	25.2	25.2	24.2	23.3	17.5	11.6	5.8	0.0	0.0	0.0
0.0	60°	33.9	33.9	33.9	33.9	25.2	17.5	8.7	0.0	0.0	0.0
0.0	62.5°	41.7	39.7	36.8	34.9	26.2	17.5	8.7	0.0	0.0	0.0
0.0	65°	41.7	37.8	33.0	28.1	21.3	14.5	6.8	0.0	0.0	0.0
0.0	67.5°	38.8	31.0	22.3	14.5	10.7	7.8	3.9	0.0	0.0	0.0
	70°	38.8	27.1	15.5	3.9	2.9	1.9	1.0	0.0	0.0	0.0
	72.5°	38.8	26.2	12.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	75°	42.7	29.1	14.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	77.5°	42.7	29.1	14.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	80°	37.8	25.2	12.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	82.5°	12.6	8.7	3.9	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°	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
0.0	2.5°	43.6	43.6	43.6	42.7	42.7	42.7	42.7	41.7	41.7	41.7
0.0	5°	39.7	39.7	38.8	38.8	37.8	37.8	36.8	36.8	35.9	35.9
0.0	7.5°	36.8	35.9	35.9	34.9	33.9	33.9	33.0	33.0	32.0	31.0
0.0	10°	33.9	33.0	33.0	32.0	31.0	30.1	30.1	29.1	28.1	27.1
0.0	12.5°	31.0	30.1	29.1	28.1	27.1	26.2	26.2	25.2	24.2	23.3
0.0	15°	27.1	26.2	25.2	24.2	23.3	22.3	22.3	21.3	20.4	19.4
0.0	17.5°	23.3	22.3	22.3	21.3	20.4	19.4	18.4	16.5	15.5	14.5
0.0	20°	17.5	16.5	15.5	14.5	13.6	11.6	10.7	8.7	6.8	5.8
0.0	22.5°	11.6	9.7	8.7	6.8	4.8	3.9	2.9	1.0	0.0	0.0
0.0	25°	3.9	2.9	1.9	1.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	32.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1049441

CATALOG NUMBER: GALN-SA5A-950-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049441

CATALOG NUMBER: GALN-SA5A-950-U-RBC

CANDELA DISTRIBUTION (continued):

80°		82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°
0.0	0°	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
0.0	2.5°	40.7	40.7	40.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7
0.0	5°	34.9	34.9	34.9	33.9	33.9	33.0	33.0	33.0	32.0	32.0
0.0	7.5°	30.1	29.1	29.1	28.1	28.1	27.1	27.1	27.1	26.2	26.2
0.0	10°	25.2	24.2	24.2	23.3	23.3	22.3	22.3	21.3	21.3	20.4
0.0	12.5°	22.3	21.3	20.4	19.4	19.4	18.4	17.5	17.5	16.5	15.5
0.0	15°	17.5	16.5	15.5	14.5	13.6	12.6	11.6	11.6	10.7	9.7
0.0	17.5°	11.6	9.7	8.7	7.8	7.8	6.8	5.8	4.8	3.9	2.9
0.0	20°	2.9	1.9	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	32.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1049441

CATALOG NUMBER: GALN-SA5A-950-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049441

CATALOG NUMBER: GALN-SA5A-950-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°	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
0.0	2.5°	39.7	38.8	38.8	38.8	39.7	39.7	39.7	39.7	39.7	39.7
0.0	5°	32.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0
0.0	7.5°	26.2	25.2	25.2	25.2	25.2	24.2	24.2	24.2	24.2	24.2
0.0	10°	20.4	19.4	19.4	19.4	19.4	18.4	18.4	18.4	18.4	18.4
0.0	12.5°	14.5	14.5	13.6	13.6	13.6	12.6	12.6	12.6	12.6	11.6
0.0	15°	8.7	7.8	6.8	6.8	6.8	5.8	5.8	5.8	5.8	4.8
0.0	17.5°	1.9	1.9	1.0	1.0	1.0	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



REPORT NUMBER: P1049441

CATALOG NUMBER: GALN-SA5A-950-U-RBC

CANDELA DISTRIBUTION (continued):



REPORT NUMBER: P1049441

CATALOG NUMBER: GALN-SA5A-950-U-RBC

CANDELA DISTRIBUTION (continued):

135°		137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°
0.0	0°	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
0.0	2.5°	40.7	40.7	41.7	41.7	42.7	44.6	45.6	46.5	48.5	50.4
0.0	5°	32.0	33.0	33.0	33.9	34.9	35.9	36.8	37.8	39.7	41.7
0.0	7.5°	25.2	25.2	26.2	26.2	27.1	29.1	30.1	31.0	33.0	35.9
0.0	10°	19.4	19.4	20.4	20.4	21.3	23.3	24.2	25.2	27.1	30.1
0.0	12.5°	12.6	13.6	13.6	14.5	15.5	17.5	18.4	19.4	21.3	23.3
0.0	15°	5.8	6.8	6.8	7.8	8.7	10.7	11.6	12.6	14.5	17.5
0.0	17.5°	1.0	1.0	1.9	1.9	2.9	3.9	4.8	5.8	8.7	10.7
0.0	20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	3.9
0.0	22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
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: P1049441

CATALOG NUMBER: GALN-SA5A-950-U-RBC

CANDELA DISTRIBUTION (continued):

REPORT NUMBER: P1049441

CATALOG NUMBER: GALN-SA5A-950-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°	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
0.0	2.5°	53.3	55.3	57.2	59.1	61.1	63.0	64.0	65.9	66.9	67.9
0.0	5°	45.6	47.5	50.4	52.4	54.3	56.2	58.2	59.1	60.1	61.1
0.0	7.5°	39.7	41.7	44.6	46.5	48.5	50.4	52.4	54.3	55.3	56.2
0.0	10°	33.9	36.8	38.8	41.7	43.6	45.6	47.5	49.4	51.4	52.4
0.0	12.5°	27.1	30.1	33.0	34.9	37.8	40.7	42.7	44.6	46.5	48.5
0.0	15°	21.3	24.2	27.1	29.1	32.0	34.9	37.8	39.7	41.7	43.6
0.0	17.5°	15.5	18.4	21.3	23.3	26.2	29.1	31.0	33.9	35.9	37.8
0.0	20°	7.8	10.7	13.6	16.5	19.4	22.3	24.2	27.1	29.1	31.0
0.0	22.5°	1.0	3.9	6.8	8.7	11.6	14.5	16.5	19.4	21.3	23.3
0.0	25°	0.0	1.0	2.9	3.9	4.8	6.8	8.7	10.7	12.6	14.5
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	1.0	1.9	3.9	5.8	7.8
0.0	30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9
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	1.0
	82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.9
	85°	0.0	0.0	0.0	0.0	0.0	1.9	2.9	4.8	5.8	6.8
	87.5°	0.0	1.0	1.9	2.9	3.9	5.8	7.8	9.7	10.7	11.6
	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: P1049441

CATALOG NUMBER: GALN-SA5A-950-U-RBC

CANDELA DISTRIBUTION (continued):

190°		165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°
56.2	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.9	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.0	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.2	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
54.3	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49.4	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45.6	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40.7	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33.0	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25.2	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.5	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.7	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.9	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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REPORT NUMBER: P1049441

CATALOG NUMBER: GALN-SA5A-950-U-RBC

CANDELA DISTRIBUTION (continued):

190°		192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°
0.0	0°	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
0.0	2.5°	68.8	68.8	68.8	68.8	67.9	67.9	67.9	66.9	66.9	65.9
0.0	5°	63.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	63.0	63.0
0.0	7.5°	58.2	59.1	60.1	60.1	61.1	61.1	61.1	60.1	60.1	59.1
0.0	10°	55.3	56.2	56.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
0.0	12.5°	51.4	52.4	53.3	53.3	54.3	54.3	54.3	54.3	53.3	53.3
0.0	15°	46.5	48.5	49.4	50.4	50.4	51.4	51.4	51.4	51.4	51.4
0.0	17.5°	42.7	44.6	45.6	46.5	46.5	47.5	47.5	48.5	48.5	48.5
0.0	20°	34.9	36.8	37.8	39.7	40.7	41.7	42.7	43.6	43.6	44.6
0.0	22.5°	27.1	29.1	30.1	32.0	33.0	33.9	34.9	35.9	36.8	37.8
0.0	25°	19.4	21.3	22.3	24.2	25.2	26.2	27.1	28.1	28.1	29.1
0.0	27.5°	10.7	12.6	14.5	15.5	17.5	18.4	19.4	20.4	21.3	22.3
0.0	30°	4.8	5.8	6.8	8.7	9.7	10.7	11.6	13.6	14.5	15.5
0.0	32.5°	0.0	0.0	1.0	2.9	3.9	4.8	5.8	6.8	6.8	7.8
0.0	35°	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.9	2.9	3.9
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°	1.9	1.9	1.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
	82.5°	4.8	5.8	6.8	6.8	7.8	7.8	7.8	7.8	6.8	6.8
	85°	9.7	10.7	11.6	11.6	12.6	12.6	12.6	12.6	12.6	12.6
	87.5°	13.6	14.5	15.5	15.5	16.5	16.5	16.5	16.5	16.5	16.5
	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: P1049441

CATALOG NUMBER: GALN-SA5A-950-U-RBC

CANDELA DISTRIBUTION (continued):

217.5°		192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°
56.2	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65.9	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
63.0	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59.1	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.2	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
53.3	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
51.4	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48.5	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43.6	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.8	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30.1	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23.3	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16.5	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.7	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.8	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.9	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.9	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.0	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.0	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.0	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.0	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.0	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
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REPORT NUMBER: P1049441

CATALOG NUMBER: GALN-SA5A-950-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°	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
0.0	2.5°	65.0	65.0	64.0	64.0	64.0	64.0	64.0	65.0	65.9	65.9
0.0	5°	62.0	62.0	61.1	61.1	61.1	62.0	62.0	63.0	64.0	65.0
0.0	7.5°	59.1	58.2	58.2	59.1	59.1	60.1	60.1	61.1	62.0	63.0
0.0	10°	57.2	56.2	56.2	56.2	57.2	57.2	58.2	59.1	60.1	61.1
0.0	12.5°	53.3	53.3	53.3	53.3	54.3	54.3	55.3	56.2	58.2	59.1
0.0	15°	51.4	50.4	50.4	50.4	50.4	51.4	51.4	53.3	55.3	56.2
0.0	17.5°	47.5	47.5	46.5	46.5	47.5	47.5	48.5	50.4	52.4	53.3
0.0	20°	43.6	42.7	41.7	41.7	42.7	42.7	43.6	45.6	47.5	48.5
0.0	22.5°	37.8	36.8	36.8	36.8	36.8	37.8	37.8	39.7	42.7	44.6
0.0	25°	30.1	31.0	31.0	32.0	32.0	33.0	33.9	35.9	38.8	40.7
0.0	27.5°	23.3	24.2	24.2	26.2	27.1	28.1	29.1	32.0	34.9	36.8
0.0	30°	17.5	18.4	19.4	20.4	22.3	24.2	26.2	29.1	32.0	33.9
0.0	32.5°	10.7	12.6	13.6	15.5	17.5	19.4	21.3	24.2	28.1	31.0
0.0	35°	7.8	8.7	10.7	11.6	13.6	15.5	17.5	21.3	24.2	28.1
0.0	37.5°	3.9	5.8	7.8	9.7	11.6	13.6	15.5	19.4	23.3	26.2
0.0	40°	2.9	4.8	5.8	7.8	10.7	12.6	14.5	18.4	22.3	26.2
0.0	42.5°	1.9	2.9	3.9	6.8	8.7	11.6	14.5	18.4	22.3	26.2
0.0	45°	1.9	1.9	2.9	5.8	8.7	12.6	15.5	19.4	22.3	26.2
0.0	47.5°	1.9	2.9	3.9	7.8	9.7	12.6	15.5	18.4	22.3	25.2
0.0	50°	2.9	3.9	4.8	8.7	10.7	13.6	15.5	19.4	22.3	26.2
0.0	52.5°	1.9	2.9	3.9	7.8	10.7	14.5	17.5	21.3	25.2	28.1
0.0	55°	1.0	1.0	1.0	5.8	11.6	16.5	22.3	25.2	29.1	32.0
0.0	57.5°	0.0	0.0	0.0	3.9	11.6	18.4	25.2	29.1	33.0	35.9
0.0	60°	0.0	0.0	0.0	3.9	11.6	18.4	25.2	30.1	34.9	39.7
0.0	62.5°	0.0	0.0	0.0	3.9	9.7	15.5	21.3	29.1	37.8	45.6
0.0	65°	0.0	0.0	0.0	2.9	7.8	12.6	17.5	29.1	40.7	51.4
0.0	67.5°	0.0	0.0	0.0	2.9	7.8	11.6	16.5	29.1	40.7	53.3
	70°	0.0	0.0	0.0	2.9	7.8	12.6	17.5	29.1	40.7	52.4
	72.5°	0.0	0.0	0.0	2.9	8.7	13.6	19.4	29.1	38.8	48.5
	75°	0.0	0.0	0.0	3.9	8.7	14.5	20.4	29.1	37.8	45.6
	77.5°	0.0	0.0	0.0	2.9	8.7	13.6	19.4	28.1	36.8	44.6
	80°	2.9	1.9	1.9	4.8	8.7	12.6	16.5	25.2	34.9	43.6
	82.5°	5.8	5.8	4.8	6.8	8.7	11.6	14.5	22.3	31.0	38.8
	85°	11.6	11.6	10.7	11.6	11.6	12.6	13.6	17.5	21.3	25.2
	87.5°	15.5	15.5	14.5	14.5	14.5	13.6	13.6	13.6	13.6	12.6
	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: P1049441

CATALOG NUMBER: GALN-SA5A-950-U-RBC

CANDELA DISTRIBUTION (continued):

245°		220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°
56.2	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66.9	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65.9	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
64.0	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.0	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60.1	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58.2	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55.3	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50.4	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
46.5	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.7	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39.7	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36.8	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33.9	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31.0	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30.1	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30.1	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30.1	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29.1	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28.1	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29.1	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32.0	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34.9	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39.7	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44.6	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
53.3	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
63.0	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65.0	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
64.0											
58.2											
54.3											
53.3											
52.4											
46.5											
29.1											
12.6											
0.0											
0.0											
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0.0											

REPORT NUMBER: P1049441

CATALOG NUMBER: GALN-SA5A-950-U-RBC

CANDELA DISTRIBUTION (continued):

245°		247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°
0.0	0°	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
0.0	2.5°	67.9	68.8	68.8	69.8	70.8	71.7	71.7	72.7	72.7	72.7
0.0	5°	66.9	68.8	69.8	70.8	71.7	72.7	73.7	74.7	75.6	75.6
0.0	7.5°	65.9	66.9	68.8	69.8	71.7	72.7	74.7	75.6	76.6	77.6
0.0	10°	64.0	65.9	67.9	69.8	71.7	73.7	75.6	77.6	79.5	80.5
0.0	12.5°	62.0	65.0	66.9	68.8	71.7	74.7	76.6	79.5	81.4	83.4
0.0	15°	61.1	63.0	65.9	67.9	71.7	75.6	78.5	82.4	86.3	89.2
0.0	17.5°	58.2	62.0	65.0	67.9	71.7	76.6	80.5	84.3	90.2	96.0
0.0	20°	54.3	57.2	61.1	64.0	69.8	74.7	80.5	85.3	94.0	102.8
0.0	22.5°	50.4	54.3	57.2	61.1	67.9	73.7	80.5	86.3	100.8	114.4
0.0	25°	46.5	51.4	55.3	59.1	66.9	74.7	82.4	90.2	114.4	138.6
0.0	27.5°	44.6	48.5	53.3	57.2	66.9	77.6	87.3	96.9	135.7	173.5
0.0	30°	41.7	46.5	50.4	55.3	67.9	80.5	93.1	105.7	164.8	224.0
0.0	32.5°	38.8	43.6	48.5	53.3	69.8	86.3	101.8	118.3	195.8	272.4
0.0	35°	35.9	41.7	46.5	51.4	72.7	95.0	116.3	137.7	224.0	309.3
0.0	37.5°	34.9	40.7	45.6	50.4	73.7	96.0	119.2	141.5	226.9	312.2
0.0	40°	35.9	40.7	46.5	51.4	70.8	90.2	108.6	128.0	217.2	305.4
0.0	42.5°	35.9	41.7	47.5	53.3	68.8	84.3	99.9	115.4	214.3	313.1
0.0	45°	34.9	40.7	46.5	52.4	66.9	80.5	95.0	108.6	231.7	353.9
0.0	47.5°	33.9	39.7	45.6	51.4	65.9	80.5	95.0	109.6	299.6	488.6
0.0	50°	33.9	39.7	44.6	49.4	66.9	85.3	102.8	120.2	436.3	751.4
0.0	52.5°	35.9	40.7	44.6	48.5	68.8	90.2	110.5	130.9	554.6	977.2
0.0	55°	38.8	41.7	45.6	48.5	73.7	97.9	123.1	147.4	590.4	1033.5
0.0	57.5°	42.7	45.6	48.5	51.4	82.4	113.4	143.5	174.5	593.3	1011.2
0.0	60°	47.5	51.4	54.3	57.2	90.2	124.1	157.1	190.0	537.1	883.2
0.0	62.5°	58.2	63.0	66.9	71.7	103.7	134.8	166.8	197.8	446.0	694.2
0.0	65°	66.9	70.8	74.7	78.5	109.6	141.5	172.6	203.6	378.1	552.6
0.0	67.5°	68.8	72.7	75.6	79.5	111.5	143.5	174.5	206.5	323.8	440.2
	70°	69.8	74.7	80.5	85.3	118.3	151.2	183.2	216.2	287.0	357.7
	72.5°	66.9	76.6	85.3	94.0	125.1	155.1	186.1	216.2	266.6	317.0
	75°	66.9	80.5	93.1	105.7	128.9	151.2	174.5	196.8	235.6	274.4
	77.5°	70.8	88.2	105.7	123.1	136.7	149.3	162.9	175.5	200.7	225.9
	80°	70.8	89.2	106.6	125.1	130.9	137.7	143.5	149.3	152.2	155.1
	82.5°	61.1	75.6	90.2	104.7	97.9	91.1	84.3	77.6	72.7	66.9
	85°	31.0	33.9	35.9	37.8	34.9	32.0	29.1	26.2	24.2	21.3
	87.5°	12.6	12.6	11.6	11.6	11.6	11.6	10.7	10.7	10.7	10.7
	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: P1049441

CATALOG NUMBER: GALN-SA5A-950-U-RBC

CANDELA DISTRIBUTION (continued):

272.5°		247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°
56.2	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.7	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75.6	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
78.5	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.4	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
86.3	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
94.0	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
103.7	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
119.2	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.2	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
206.5	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
287.0	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
388.8	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
485.7	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
551.6	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
601.1	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
650.5	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
747.5	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
941.4	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1434.9	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2197.8	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2766.9	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2830.0	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2553.6	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2183.3	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1706.3	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1289.4	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
952.0	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
673.8											
501.2											
364.5											
274.4											
154.1											
69.8											
20.4											
9.7											
0.0											
0.0											
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REPORT NUMBER: P1049441

CATALOG NUMBER: GALN-SA5A-950-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°	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
0.0	2.5°	72.7	71.7	71.7	70.8	69.8	68.8	67.9	66.9	65.9	65.0
0.0	5°	75.6	75.6	75.6	74.7	74.7	73.7	73.7	72.7	71.7	70.8
0.0	7.5°	78.5	79.5	79.5	80.5	80.5	80.5	80.5	79.5	79.5	79.5
0.0	10°	83.4	84.3	85.3	86.3	87.3	88.2	88.2	89.2	89.2	89.2
0.0	12.5°	89.2	92.1	94.0	96.9	98.9	101.8	103.7	106.6	108.6	110.5
0.0	15°	97.9	102.8	108.6	113.4	118.3	125.1	132.8	139.6	146.4	157.1
0.0	17.5°	110.5	126.0	141.5	156.1	171.6	205.5	239.5	272.4	306.4	355.8
0.0	20°	134.8	181.3	226.9	273.4	319.0	438.2	556.5	675.7	794.0	921.0
0.0	22.5°	189.1	303.5	417.9	532.3	646.7	895.8	1144.0	1393.2	1641.4	1933.2
0.0	25°	274.4	484.7	695.1	904.5	1114.9	1504.7	1895.4	2285.1	2674.8	3053.9
0.0	27.5°	399.4	721.3	1043.2	1364.1	1685.9	2214.3	2743.7	3272.0	3800.4	4228.9
0.0	30°	553.6	989.9	1426.1	1862.4	2298.7	2899.8	3500.8	4101.0	4702.0	5170.3
0.0	32.5°	699.0	1233.2	1767.4	2300.6	2834.8	3519.3	4204.7	4889.2	5573.6	6085.5
0.0	35°	794.0	1439.7	2086.4	2732.0	3377.7	4118.4	4859.1	5598.8	6339.5	6924.1
0.0	37.5°	889.0	1634.6	2379.1	3124.7	3869.2	4682.7	5496.1	6309.5	7122.9	7845.1
0.0	40°	995.7	1870.2	2743.7	3618.1	4491.7	5455.3	6418.0	7381.7	8344.4	9363.4
0.0	42.5°	1180.8	2260.9	3341.8	4421.9	5501.9	6776.8	8051.6	9325.6	10600.4	12054.7
0.0	45°	1528.9	3051.0	4574.1	6096.2	7618.3	9307.1	10997.0	12685.8	14374.7	16309.8
0.0	47.5°	2381.1	4475.2	6568.3	8662.4	10755.6	12579.2	14401.8	16225.4	18048.1	19975.4
0.0	50°	3643.4	6080.7	8518.0	10954.3	13391.6	15041.7	16690.8	18340.9	19990.0	21823.3
0.0	52.5°	4556.6	7095.7	9635.8	12174.9	14714.0	16203.1	17693.3	19182.4	20671.5	22384.6
0.0	55°	4625.5	7150.0	9675.5	12200.1	14724.7	16220.6	17716.5	19212.5	20708.4	22524.2
0.0	57.5°	4095.1	6599.3	9102.6	11606.8	14110.0	15813.4	17515.8	19219.2	20921.7	22884.9
0.0	60°	3483.4	5988.6	8492.8	10997.9	13502.1	15464.4	17427.6	19389.9	21352.1	23191.3
0.0	62.5°	2717.5	5294.4	7872.3	10449.2	13026.1	15018.4	17010.7	19002.1	20994.4	22374.0
0.0	65°	2025.3	4527.5	7029.8	9531.1	12033.4	13629.1	15224.9	16819.7	18415.5	19269.7
0.0	67.5°	1463.9	3622.0	5779.2	7937.2	10094.4	11236.4	12378.5	13519.6	14661.7	15315.1
	70°	989.9	2484.8	3978.8	5473.8	6967.7	7906.2	8845.7	9784.1	10722.6	11604.8
	72.5°	685.4	1525.0	2365.6	3205.1	4044.7	4989.0	5932.3	6876.6	7819.9	8753.6
	75°	454.7	836.7	1219.6	1601.6	1983.6	2682.6	3382.6	4081.6	4780.6	5337.1
	77.5°	322.8	437.2	552.6	667.0	781.4	912.3	1044.1	1175.0	1305.9	1504.7
	80°	153.2	167.7	182.3	195.8	210.4	257.9	305.4	352.9	400.4	450.8
	82.5°	72.7	78.5	84.3	89.2	95.0	99.9	104.7	109.6	114.4	109.6
	85°	19.4	19.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	19.4
	87.5°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	7.8	7.8	6.8
	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

300°		275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°
56.2	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
64.0	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
69.8	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
78.5	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90.2	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
111.5	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
168.7	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
404.3	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1049.0	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2225.0	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3433.0	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4657.4	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5639.5	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6598.4	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7508.7	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8568.4	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10382.3	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13508.9	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18244.9	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21902.8	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23656.6	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24097.7	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24341.1	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24848.1	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25029.4	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23754.5	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20124.7	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15969.5	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12486.1											
9687.2											
5893.6											
1703.4											
501.2											
103.7											
18.4											
6.8											
0.0											
0.0											
0.0											
0.0											
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0.0											

REPORT NUMBER: P1049441

CATALOG NUMBER: GALN-SA5A-950-U-RBC

CANDELA DISTRIBUTION (continued):

300°		302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°
0.0	0°	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
0.0	2.5°	63.0	62.0	61.1	60.1	59.1	57.2	57.2	56.2	56.2
0.0	5°	68.8	67.9	66.9	65.9	65.9	65.0	64.0	64.0	63.0
0.0	7.5°	78.5	77.6	76.6	75.6	75.6	74.7	74.7	73.7	73.7
0.0	10°	90.2	90.2	90.2	90.2	90.2	89.2	89.2	89.2	88.2
0.0	12.5°	113.4	114.4	116.3	118.3	121.2	121.2	121.2	120.2	120.2
0.0	15°	179.4	190.0	197.8	205.5	212.3	227.8	225.9	223.0	221.0
0.0	17.5°	453.7	502.2	528.4	553.6	579.8	651.5	639.9	628.2	617.6
0.0	20°	1176.0	1303.0	1387.3	1471.7	1557.0	1691.8	1658.8	1625.8	1592.9
0.0	22.5°	2515.8	2807.7	2934.7	3061.7	3187.7	3350.6	3244.9	3139.2	3034.5
0.0	25°	3811.1	4190.2	4404.4	4618.7	4832.0	4925.0	4787.4	4648.7	4511.1
0.0	27.5°	5086.0	5514.5	5703.5	5891.6	6080.7	6275.5	6104.9	5933.3	5762.7
0.0	30°	6107.8	6576.1	6780.6	6984.2	7188.8	7324.5	7148.1	6970.7	6794.2
0.0	32.5°	7110.3	7622.2	7846.1	8070.1	8293.0	8487.9	8270.7	8052.6	7835.4
0.0	35°	8092.4	8677.0	8985.3	9293.6	9601.9	9783.2	9525.3	9266.4	9008.5
0.0	37.5°	9290.7	10012.9	10358.1	10703.2	11048.3	11378.9	11094.9	10809.9	10525.8
0.0	40°	11401.2	12420.2	12949.5	13479.8	14009.2	14435.8	14077.0	13718.3	13359.6
0.0	42.5°	14963.2	16417.4	17178.5	17938.5	18699.6	19365.6	18988.5	18611.4	18234.2
0.0	45°	20180.0	22115.1	23042.9	23969.8	24897.6	25384.2	24841.3	24297.4	23754.5
0.0	47.5°	23829.2	25756.5	26582.5	27408.6	28234.6	28790.1	28126.0	27461.9	26798.7
0.0	50°	25489.0	27322.3	28151.2	28979.1	29808.0	30249.2	29482.3	28714.5	27947.6
0.0	52.5°	25809.9	27523.0	28511.8	29501.7	30490.6	31080.0	30174.5	29268.0	28362.5
0.0	55°	26156.9	27972.8	29119.7	30267.6	31414.5	32230.8	31207.0	30182.3	29158.5
0.0	57.5°	26810.4	28773.6	29917.6	31060.6	32204.6	32897.8	31871.1	30843.5	29816.8
0.0	60°	26868.5	28706.7	29689.8	30673.8	31656.9	32093.1	31111.0	30128.0	29145.9
0.0	62.5°	25134.1	26513.7	27196.2	27878.8	28561.3	29035.4	28010.6	26984.9	25960.1
0.0	65°	20978.9	21833.0	22376.9	22920.8	23464.7	24029.9	23091.4	22152.9	21214.5
0.0	67.5°	16622.9	17276.4	17992.8	18709.3	19425.7	20029.7	19278.4	18526.1	17774.7
	70°	13368.3	14249.6	15055.3	15860.9	16666.6	17161.0	16406.7	15651.5	14897.2
	72.5°	10620.8	11554.4	12227.3	12899.1	13571.9	13693.1	13138.6	12584.0	12030.4
	75°	6449.1	7005.6	7019.1	7031.7	7045.3	7160.7	6701.1	6241.6	5783.0
	77.5°	1902.1	2100.9	2264.7	2427.6	2591.5	2789.2	2620.5	2450.9	2282.2
	80°	550.7	601.1	643.7	685.4	728.1	702.9	663.1	623.4	583.6
	82.5°	98.9	93.1	92.1	91.1	91.1	86.3	78.5	70.8	63.0
	85°	17.5	16.5	15.5	14.5	13.6	12.6	10.7	9.7	7.8
	87.5°	5.8	4.8	3.9	2.9	2.9	1.0	1.0	1.0	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

CATALOG NUMBER: GALN-SA5A-950-U-RBC

REPORT NUMBER: P1049441

CATALOG NUMBER: GALN-SA5A-950-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°	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
0.0	0.0	2.5°	55.3	54.3	54.3	54.3	54.3	53.3	53.3	53.3	53.3
0.0	0.0	5°	61.1	61.1	60.1	60.1	59.1	59.1	58.2	58.2	57.2
0.0	0.0	7.5°	71.7	70.8	69.8	68.8	67.9	65.9	65.0	64.0	64.0
0.0	0.0	10°	86.3	84.3	83.4	81.4	80.5	78.5	76.6	74.7	72.7
0.0	0.0	12.5°	113.4	109.6	106.6	102.8	98.9	96.0	92.1	89.2	85.3
0.0	0.0	15°	196.8	187.1	176.4	163.8	150.3	137.7	124.1	116.3	107.6
0.0	0.0	17.5°	503.2	452.8	401.4	359.7	318.0	277.3	235.6	205.5	175.5
0.0	0.0	20°	1280.7	1141.1	1001.5	863.8	725.2	587.5	448.9	379.1	309.3
0.0	0.0	22.5°	2410.2	2151.3	1891.5	1640.4	1388.3	1137.2	886.1	728.1	571.0
0.0	0.0	25°	3719.9	3394.2	3068.4	2655.4	2241.5	1828.5	1415.5	1158.5	901.6
0.0	0.0	27.5°	4840.7	4465.5	4090.3	3588.1	3085.9	2583.7	2081.5	1698.6	1316.6
0.0	0.0	30°	5811.1	5407.8	5004.5	4419.9	3835.3	3250.7	2666.1	2187.2	1708.2
0.0	0.0	32.5°	6652.7	6169.9	5687.0	5084.0	4481.0	3878.0	3274.9	2687.4	2099.9
0.0	0.0	35°	7623.1	7059.9	6495.6	5826.7	5156.7	4487.8	3818.8	3155.7	2491.6
0.0	0.0	37.5°	8856.3	8165.1	7472.9	6727.3	5981.8	5237.2	4491.7	3733.5	2975.4
0.0	0.0	40°	11217.0	10325.1	9433.2	8486.0	7537.8	6590.6	5643.4	4712.7	3782.0
0.0	0.0	42.5°	15446.9	14241.9	13036.8	11776.4	10515.1	9254.8	7993.5	6680.8	5367.1
0.0	0.0	45°	20220.7	18725.8	17229.8	15815.3	14399.9	12985.4	11570.9	9769.6	7968.3
0.0	0.0	47.5°	22905.3	21291.0	19676.8	18338.0	16999.1	15660.2	14321.4	12379.5	10437.6
0.0	0.0	50°	23893.2	22249.9	20606.6	19374.4	18141.2	16908.9	15675.7	13730.9	11785.2
0.0	0.0	52.5°	24103.5	22427.3	20751.0	19511.1	18271.1	17032.1	15792.1	13859.9	11927.7
0.0	0.0	55°	24535.9	22737.5	20938.2	19524.6	18111.1	16697.6	15284.1	13320.8	11357.6
0.0	0.0	57.5°	25101.2	23257.2	21413.2	19802.9	18192.5	16583.2	14972.9	12826.4	10679.9
0.0	0.0	60°	24952.8	23348.3	21742.8	20018.1	18292.4	16567.7	14842.0	12481.3	10119.6
0.0	0.0	62.5°	22377.8	21100.1	19821.3	18402.9	16983.6	15565.2	14146.8	11716.3	9285.8
0.0	0.0	65°	18409.7	17477.1	16544.4	15403.3	14261.2	13120.2	11979.1	9799.6	7621.2
0.0	0.0	67.5°	14920.5	13869.6	12817.7	11908.3	10997.9	10088.5	9178.2	7463.2	5748.1
		70°	11854.0	10711.0	9567.0	8678.9	7789.9	6901.8	6013.8	4873.6	3734.5
		72.5°	9413.8	8383.2	7352.6	6405.4	5457.3	4510.1	3561.9	2888.1	2214.3
		75°	4499.4	4087.4	3675.3	3179.9	2684.5	2189.1	1693.7	1399.9	1107.2
		77.5°	1667.5	1445.5	1222.5	1020.9	819.2	618.5	416.9	382.0	347.1
		80°	431.4	376.2	319.9	280.2	239.5	199.7	160.0	144.5	129.9
		82.5°	49.4	45.6	42.7	40.7	37.8	35.9	33.0	30.1	27.1
		85°	2.9	1.9	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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CATALOG NUMBER: GALN-SA5A-950-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049441

CATALOG NUMBER: GALN-SA5A-950-U-RBC

CANDELA DISTRIBUTION (continued):

352.5°	355°		357.5°	360°
0.0	0.0	0°	56.2	56.2
0.0	0.0	2.5°	52.4	51.4
0.0	0.0	5°	55.3	54.3
0.0	0.0	7.5°	61.1	59.1
0.0	0.0	10°	66.9	65.0
0.0	0.0	12.5°	75.6	72.7
0.0	0.0	15°	85.3	79.5
0.0	0.0	17.5°	101.8	89.2
0.0	0.0	20°	137.7	105.7
0.0	0.0	22.5°	193.9	131.9
0.0	0.0	25°	285.0	182.3
0.0	0.0	27.5°	396.5	242.4
0.0	0.0	30°	527.4	303.5
0.0	0.0	32.5°	642.8	361.6
0.0	0.0	35°	793.0	420.8
0.0	0.0	37.5°	978.2	496.4
0.0	0.0	40°	1265.2	610.8
0.0	0.0	42.5°	1781.9	822.1
0.0	0.0	45°	2893.9	1421.3
0.0	0.0	47.5°	4452.9	2351.0
0.0	0.0	50°	5447.6	3000.6
0.0	0.0	52.5°	5529.0	2995.7
0.0	0.0	55°	5047.2	2663.2
0.0	0.0	57.5°	4306.5	2226.0
0.0	0.0	60°	3579.4	1760.6
0.0	0.0	62.5°	2820.3	1215.7
0.0	0.0	65°	2061.1	859.9
0.0	0.0	67.5°	1480.4	642.8
		70°	973.4	492.5
		72.5°	634.0	401.4
		75°	426.6	332.5
		77.5°	249.2	221.0
		80°	88.2	77.6
		82.5°	16.5	11.6
		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: P1049441

CATALOG NUMBER: GALN-SA5A-950-U-RBC

CANDELA DISTRIBUTION (continued):

	357.5°	360°
112.5°	0.0	0.0
115°	0.0	0.0
117.5°	0.0	0.0
120°	0.0	0.0
122.5°	0.0	0.0
125°	0.0	0.0
127.5°	0.0	0.0
130°	0.0	0.0
132.5°	0.0	0.0
135°	0.0	0.0
137.5°	0.0	0.0
140°	0.0	0.0
142.5°	0.0	0.0
145°	0.0	0.0
147.5°	0.0	0.0
150°	0.0	0.0
152.5°	0.0	0.0
155°	0.0	0.0
157.5°	0.0	0.0
160°	0.0	0.0
162.5°	0.0	0.0
165°	0.0	0.0
167.5°	0.0	0.0
170°	0.0	0.0
172.5°	0.0	0.0
175°	0.0	0.0
177.5°	0.0	0.0
180°	0.0	0.0

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



LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

McGraw-Edison

Report Number: SP1-2407-184-17

Test Date: 10/11/2024

Luminaire Tested: GSS-SB1A-950-U-5WQ

Data in this report applies to families of products including GSS-SB1A-950-U-5WQ

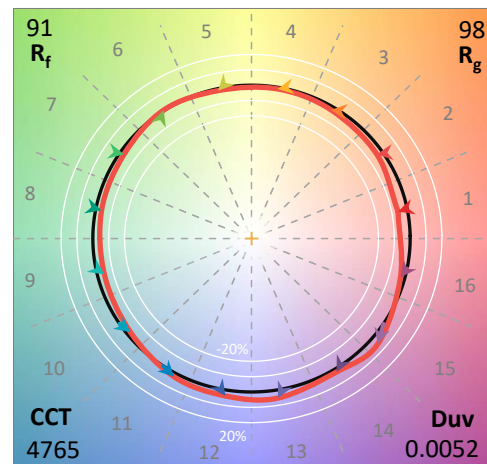
Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-17
 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-950-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 90 CRI
 5000K CCT 26 LEDS

Spectral Parameters

CCT (K): 4765
 CIE u' : 0.2105
 CIE v' : 0.4941
 Duv: 0.0052
 CIE x: 0.3536
 CIE y: 0.3689
 CIE z: 0.2775
 Peak Wavelength (nm): 449
 Dominant Wavelength (nm): 571
 Purity: 16.80041
 R_f: 90.7
 R_g: 98

CRI (Ra): 90.8
 R1: 89.8
 R2: 93.1
 R3: 95.3
 R4: 90.3
 R5: 89.0
 R6: 89.7
 R7: 94.9
 R8: 84.0
 R9: 54.9
 R10: 83.0
 R11: 89.6
 R12: 68.0
 R13: 90.6
 R14: 97.3
 R15: 86.2



Test Conditions

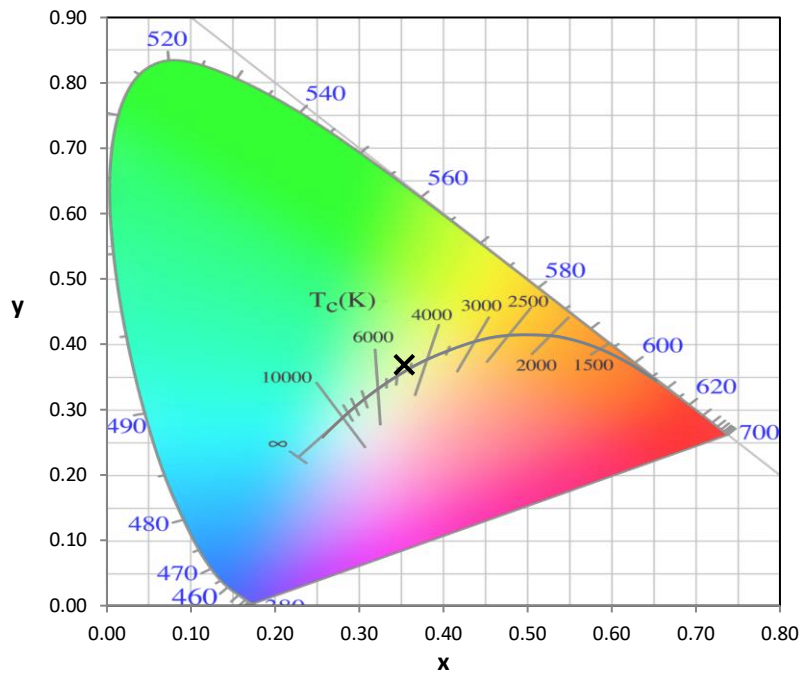
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-17

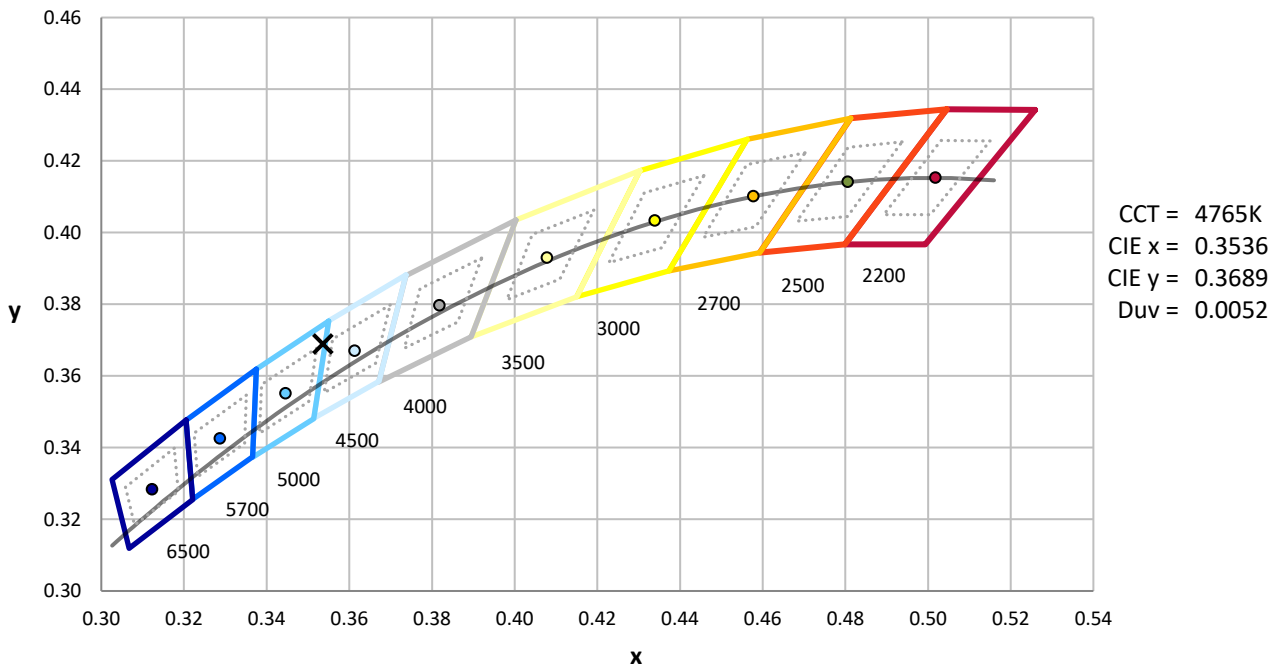
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



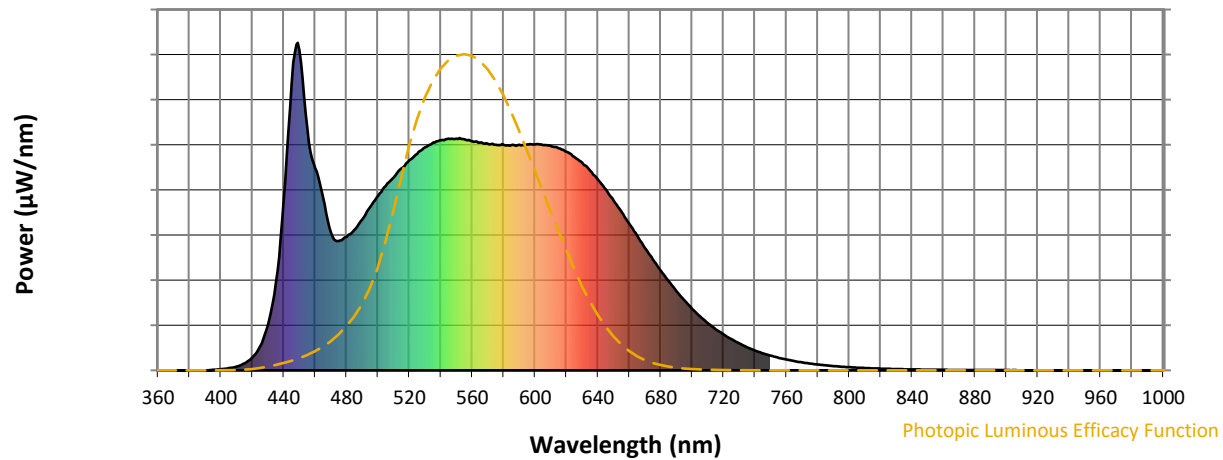
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 5000K 7-step quadrangle

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Photopic Flux vs. Wavelength

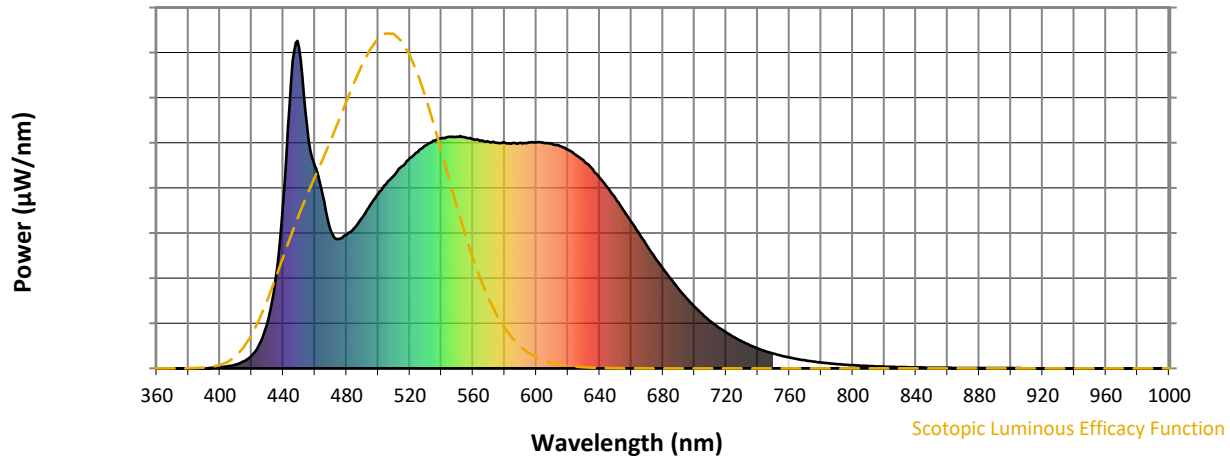


Photopic Lumens: NR

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	462	NR	620	668	NR	750	45	NR	880	1	NR
365	0	NR	495	498	NR	625	652	NR	755	39	NR	885	1	NR
370	0	NR	500	533	NR	630	634	NR	760	33	NR	890	1	NR
375	0	NR	505	562	NR	635	610	NR	765	28	NR	895	1	NR
380	0	NR	510	590	NR	640	583	NR	770	24	NR	900	1	NR
385	0	NR	515	617	NR	645	552	NR	775	21	NR	905	1	NR
390	0	NR	520	642	NR	650	519	NR	780	18	NR	910	0	NR
395	2	NR	525	661	NR	655	484	NR	785	15	NR	915	0	NR
400	4	NR	530	681	NR	660	448	NR	790	13	NR	920	0	NR
405	7	NR	535	695	NR	665	411	NR	795	11	NR	925	0	NR
410	12	NR	540	702	NR	670	373	NR	800	10	NR	930	0	NR
415	21	NR	545	708	NR	675	338	NR	805	8	NR	935	0	NR
420	39	NR	550	707	NR	680	305	NR	810	7	NR	940	0	NR
425	74	NR	555	706	NR	685	272	NR	815	6	NR	945	0	NR
430	139	NR	560	700	NR	690	243	NR	820	5	NR	950	0	NR
435	270	NR	565	696	NR	695	214	NR	825	5	NR	955	0	NR
440	517	NR	570	692	NR	700	188	NR	830	4	NR	960	0	NR
445	877	NR	575	689	NR	705	165	NR	835	3	NR	965	0	NR
450	978	NR	580	688	NR	710	144	NR	840	3	NR	970	0	NR
455	738	NR	585	688	NR	715	125	NR	845	3	NR	975	0	NR
460	618	NR	590	689	NR	720	110	NR	850	2	NR	980	0	NR
465	529	NR	595	690	NR	725	95	NR	855	2	NR	985	0	NR
470	420	NR	600	690	NR	730	82	NR	860	2	NR	990	0	NR
475	395	NR	605	688	NR	735	71	NR	865	1	NR	995	0	NR
480	408	NR	610	685	NR	740	61	NR	870	1	NR	1000	0	NR
485	429	NR	615	678	NR	745	52	NR	875	1	NR			

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Scotopic Flux vs. Wavelength



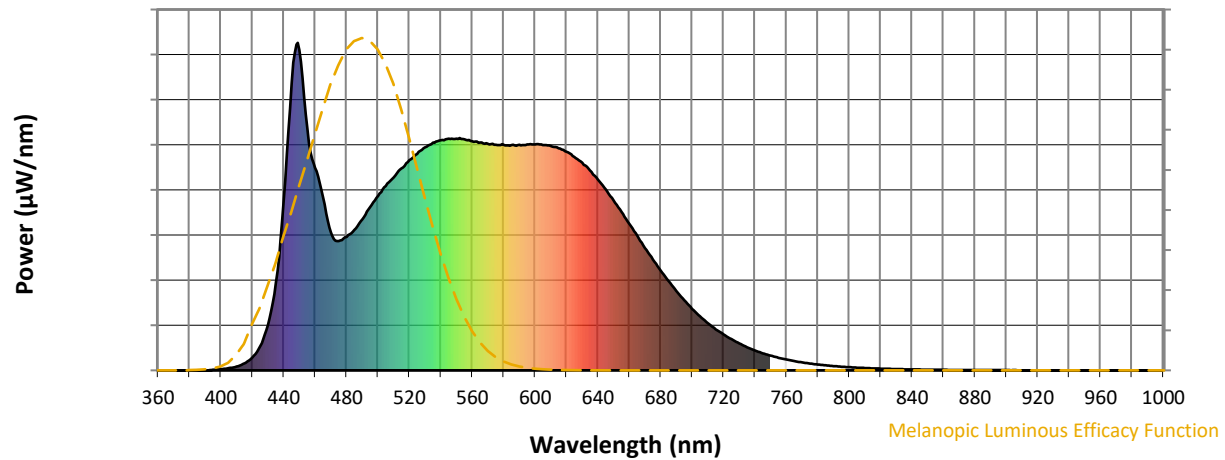
Scotopic Lumens: NR

S/P: 1.99

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	462	NR	620	668	NR	750	45	NR	880	1	NR
365	0	NR	495	498	NR	625	652	NR	755	39	NR	885	1	NR
370	0	NR	500	533	NR	630	634	NR	760	33	NR	890	1	NR
375	0	NR	505	562	NR	635	610	NR	765	28	NR	895	1	NR
380	0	NR	510	590	NR	640	583	NR	770	24	NR	900	1	NR
385	0	NR	515	617	NR	645	552	NR	775	21	NR	905	1	NR
390	0	NR	520	642	NR	650	519	NR	780	18	NR	910	0	NR
395	2	NR	525	661	NR	655	484	NR	785	15	NR	915	0	NR
400	4	NR	530	681	NR	660	448	NR	790	13	NR	920	0	NR
405	7	NR	535	695	NR	665	411	NR	795	11	NR	925	0	NR
410	12	NR	540	702	NR	670	373	NR	800	10	NR	930	0	NR
415	21	NR	545	708	NR	675	338	NR	805	8	NR	935	0	NR
420	39	NR	550	707	NR	680	305	NR	810	7	NR	940	0	NR
425	74	NR	555	706	NR	685	272	NR	815	6	NR	945	0	NR
430	139	NR	560	700	NR	690	243	NR	820	5	NR	950	0	NR
435	270	NR	565	696	NR	695	214	NR	825	5	NR	955	0	NR
440	517	NR	570	692	NR	700	188	NR	830	4	NR	960	0	NR
445	877	NR	575	689	NR	705	165	NR	835	3	NR	965	0	NR
450	978	NR	580	688	NR	710	144	NR	840	3	NR	970	0	NR
455	738	NR	585	688	NR	715	125	NR	845	3	NR	975	0	NR
460	618	NR	590	689	NR	720	110	NR	850	2	NR	980	0	NR
465	529	NR	595	690	NR	725	95	NR	855	2	NR	985	0	NR
470	420	NR	600	690	NR	730	82	NR	860	2	NR	990	0	NR
475	395	NR	605	688	NR	735	71	NR	865	1	NR	995	0	NR
480	408	NR	610	685	NR	740	61	NR	870	1	NR	1000	0	NR
485	429	NR	615	678	NR	745	52	NR	875	1	NR			

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Melanopic Flux vs. Wavelength


Melanopic Lumens: NR
M/P: 4.22

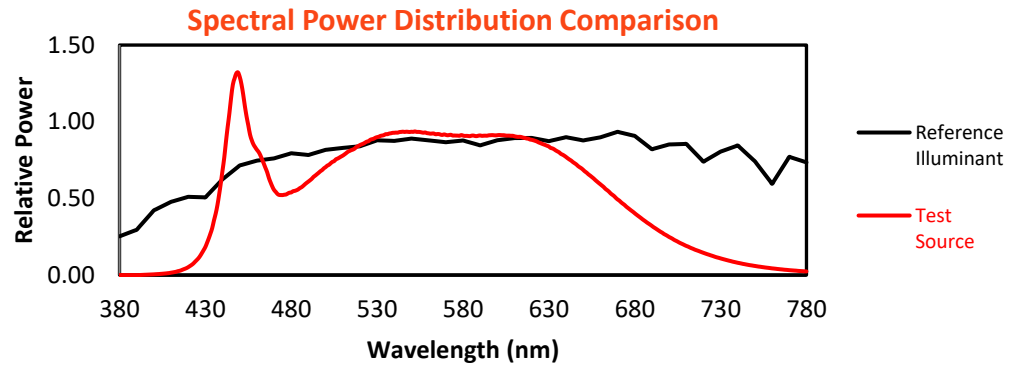
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	462	NR	620	668	NR	750	45	NR	880	1	NR
365	0	NR	495	498	NR	625	652	NR	755	39	NR	885	1	NR
370	0	NR	500	533	NR	630	634	NR	760	33	NR	890	1	NR
375	0	NR	505	562	NR	635	610	NR	765	28	NR	895	1	NR
380	0	NR	510	590	NR	640	583	NR	770	24	NR	900	1	NR
385	0	NR	515	617	NR	645	552	NR	775	21	NR	905	1	NR
390	0	NR	520	642	NR	650	519	NR	780	18	NR	910	0	NR
395	2	NR	525	661	NR	655	484	NR	785	15	NR	915	0	NR
400	4	NR	530	681	NR	660	448	NR	790	13	NR	920	0	NR
405	7	NR	535	695	NR	665	411	NR	795	11	NR	925	0	NR
410	12	NR	540	702	NR	670	373	NR	800	10	NR	930	0	NR
415	21	NR	545	708	NR	675	338	NR	805	8	NR	935	0	NR
420	39	NR	550	707	NR	680	305	NR	810	7	NR	940	0	NR
425	74	NR	555	706	NR	685	272	NR	815	6	NR	945	0	NR
430	139	NR	560	700	NR	690	243	NR	820	5	NR	950	0	NR
435	270	NR	565	696	NR	695	214	NR	825	5	NR	955	0	NR
440	517	NR	570	692	NR	700	188	NR	830	4	NR	960	0	NR
445	877	NR	575	689	NR	705	165	NR	835	3	NR	965	0	NR
450	978	NR	580	688	NR	710	144	NR	840	3	NR	970	0	NR
455	738	NR	585	688	NR	715	125	NR	845	3	NR	975	0	NR
460	618	NR	590	689	NR	720	110	NR	850	2	NR	980	0	NR
465	529	NR	595	690	NR	725	95	NR	855	2	NR	985	0	NR
470	420	NR	600	690	NR	730	82	NR	860	2	NR	990	0	NR
475	395	NR	605	688	NR	735	71	NR	865	1	NR	995	0	NR
480	408	NR	610	685	NR	740	61	NR	870	1	NR	1000	0	NR
485	429	NR	615	678	NR	745	52	NR	875	1	NR			

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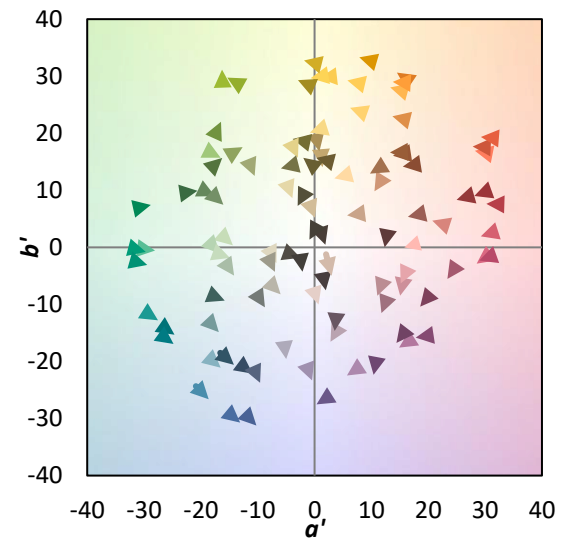
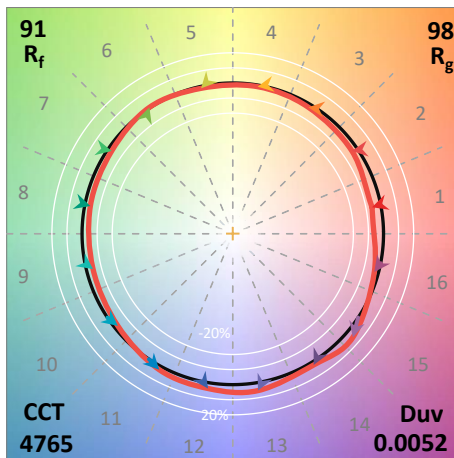
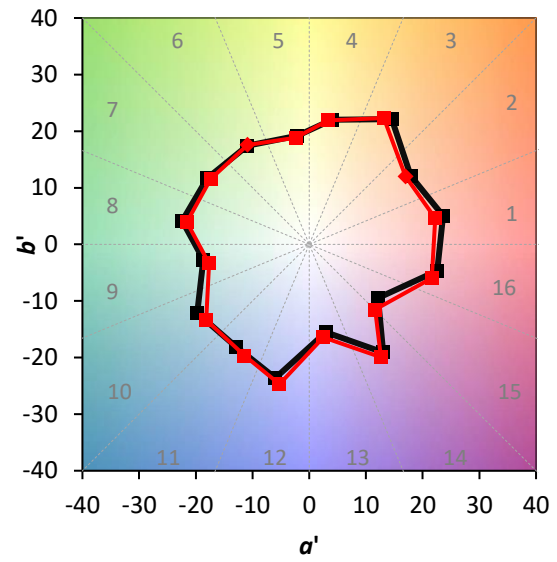
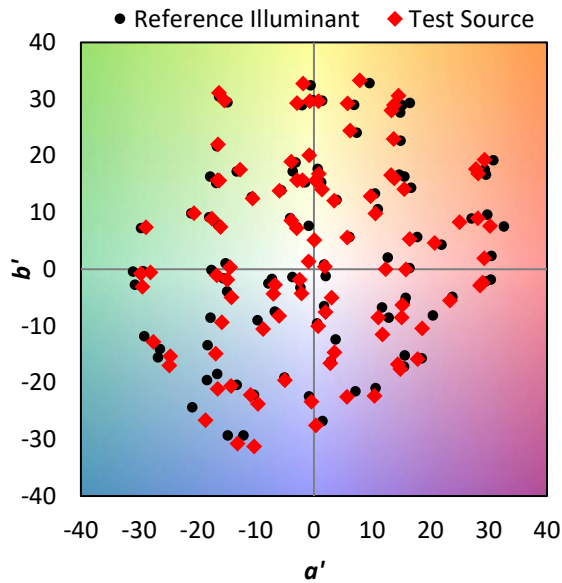
TM-30-18

Summary

$R_f = 90.7$
 $R_g = 98$
 CIE $R_a = 90.8$
 $R_9 = 54.9$

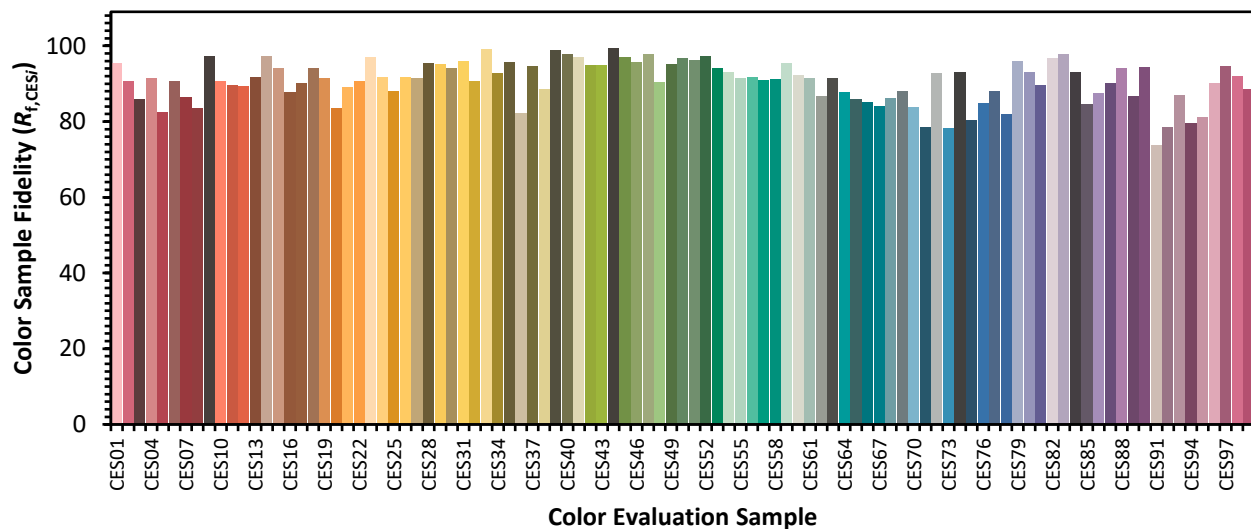


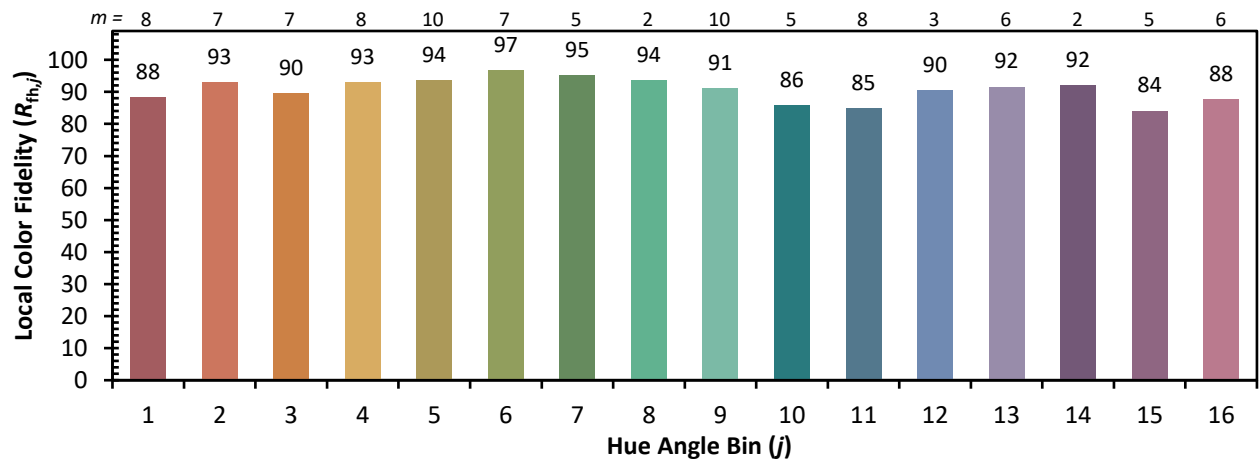
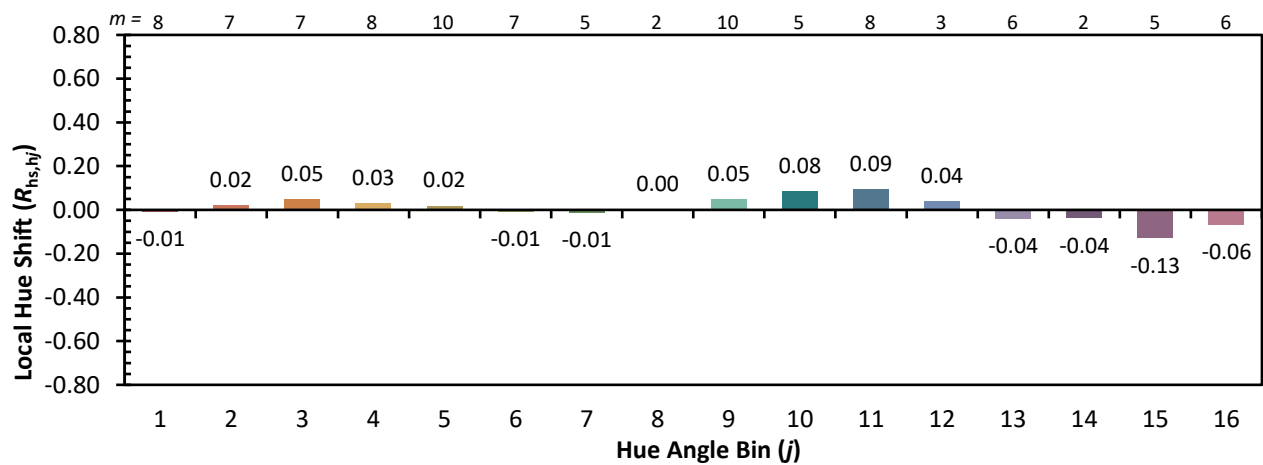
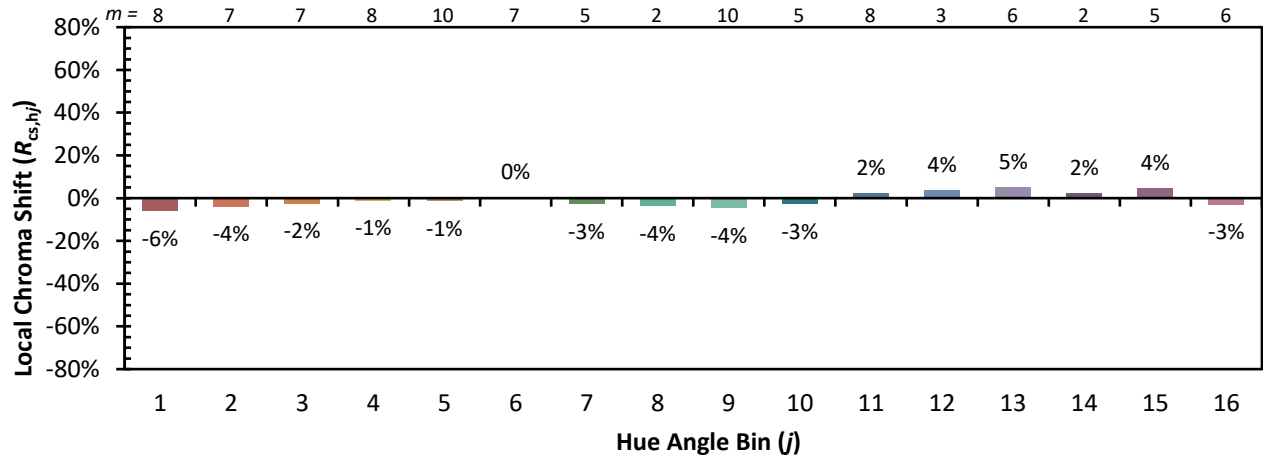
Color Vector Graphics



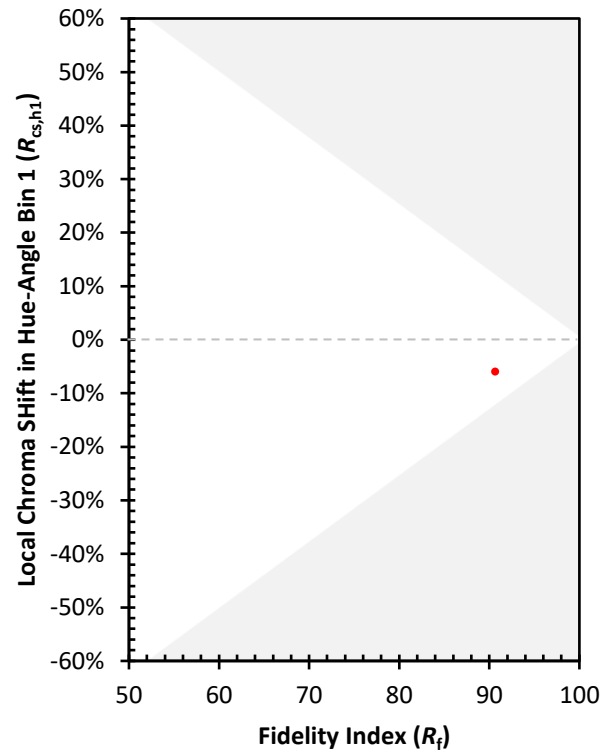
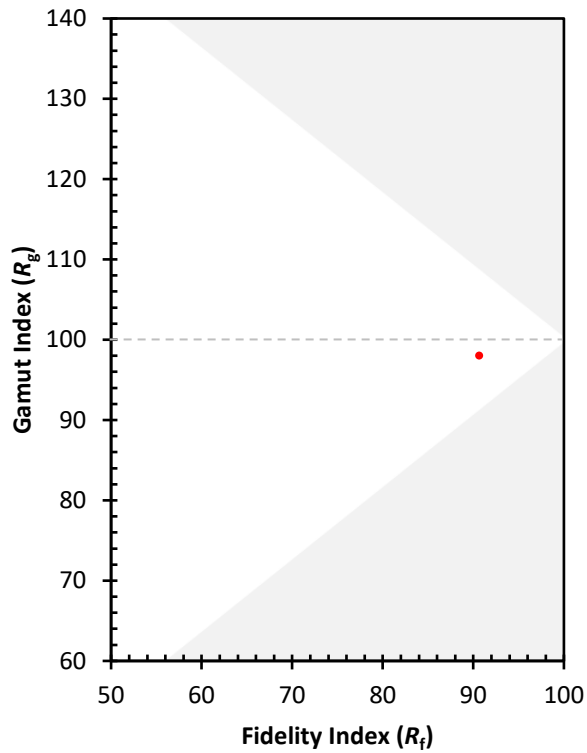
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 85	CES26 = 92	CES51 = 96	CES76 = 85
CES02 = 60	CES27 = 92	CES52 = 97	CES77 = 88
CES03 = 31	CES28 = 95	CES53 = 94	CES78 = 82
CES04 = 69	CES29 = 95	CES54 = 93	CES79 = 96
CES05 = 48	CES30 = 94	CES55 = 92	CES80 = 93
CES06 = 50	CES31 = 96	CES56 = 92	CES81 = 89
CES07 = 41	CES32 = 91	CES57 = 91	CES82 = 97
CES08 = 40	CES33 = 99	CES58 = 91	CES83 = 98
CES09 = 29	CES34 = 93	CES59 = 95	CES84 = 93
CES10 = 73	CES35 = 96	CES60 = 92	CES85 = 85
CES11 = 56	CES36 = 82	CES61 = 92	CES86 = 88
CES12 = 62	CES37 = 95	CES62 = 87	CES87 = 90
CES13 = 42	CES38 = 89	CES63 = 91	CES88 = 94
CES14 = 74	CES39 = 99	CES64 = 88	CES89 = 87
CES15 = 71	CES40 = 98	CES65 = 86	CES90 = 94
CES16 = 46	CES41 = 97	CES66 = 85	CES91 = 74
CES17 = 48	CES42 = 95	CES67 = 84	CES92 = 78
CES18 = 56	CES43 = 95	CES68 = 86	CES93 = 87
CES19 = 70	CES44 = 100	CES69 = 88	CES94 = 80
CES20 = 65	CES45 = 97	CES70 = 84	CES95 = 81
CES21 = 85	CES46 = 96	CES71 = 79	CES96 = 90
CES22 = 77	CES47 = 98	CES72 = 93	CES97 = 95
CES23 = 91	CES48 = 90	CES73 = 78	CES98 = 92
CES24 = 90	CES49 = 95	CES74 = 93	CES99 = 88
CES25 = 70	CES50 = 97	CES75 = 80	



Color Rendition by Hue-Angle Bin


Measure Comparisons



(END OF REPORT)