

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: P1049458

Luminaire Tested: **GALN-SA9B-950-U-RBC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1049458
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA9B-950-U-RBC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 800mA 9xLight Square PACKAGE
90CRI 5000K FIXTURE w/ RIGHT CORNER BACKLIGHT CONTROL
Light Source: (126) 5000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28584.2 lumens
Efficiency: N/A
Efficacy: 91.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G4

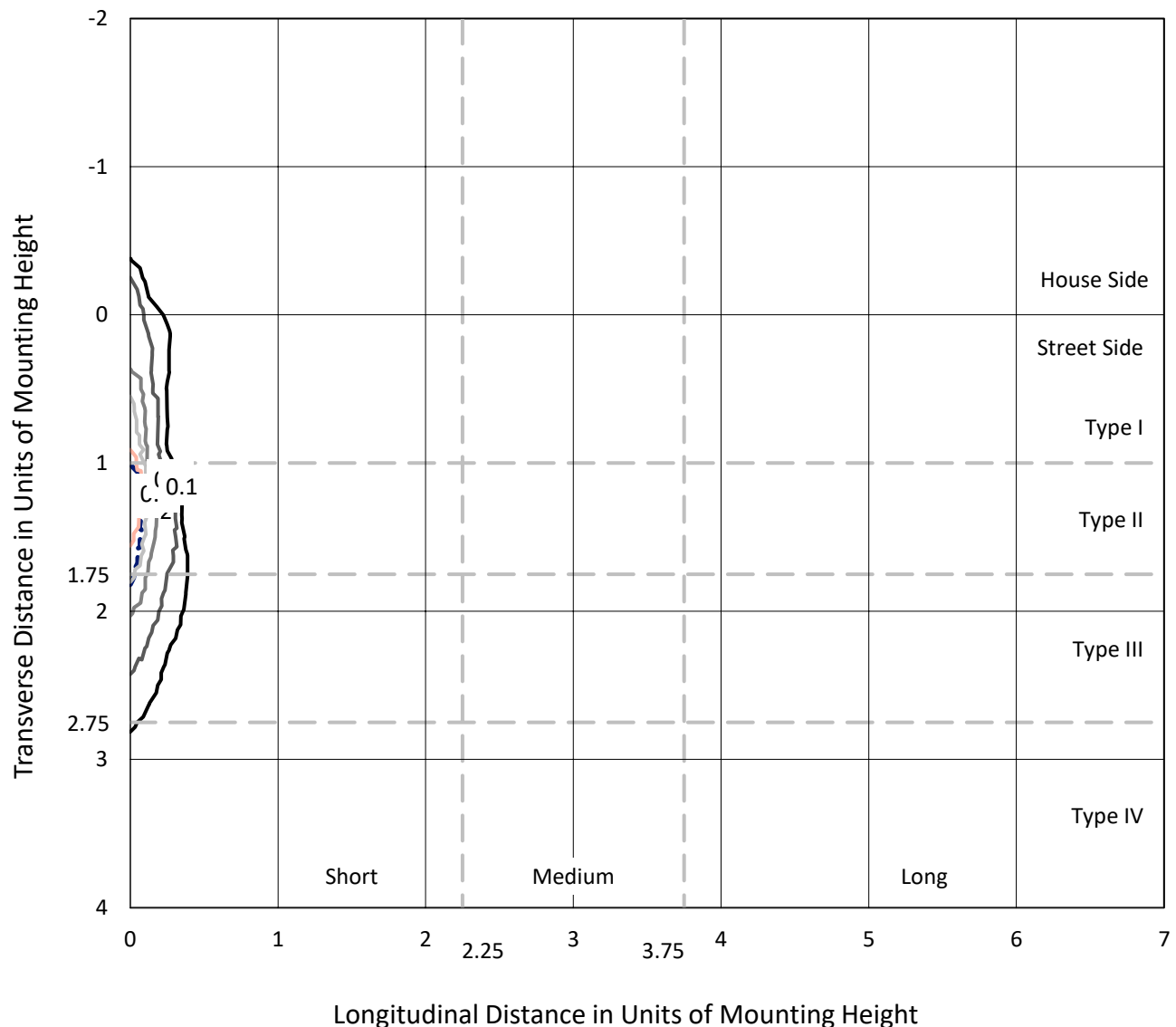
Input Watts (W): 312.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

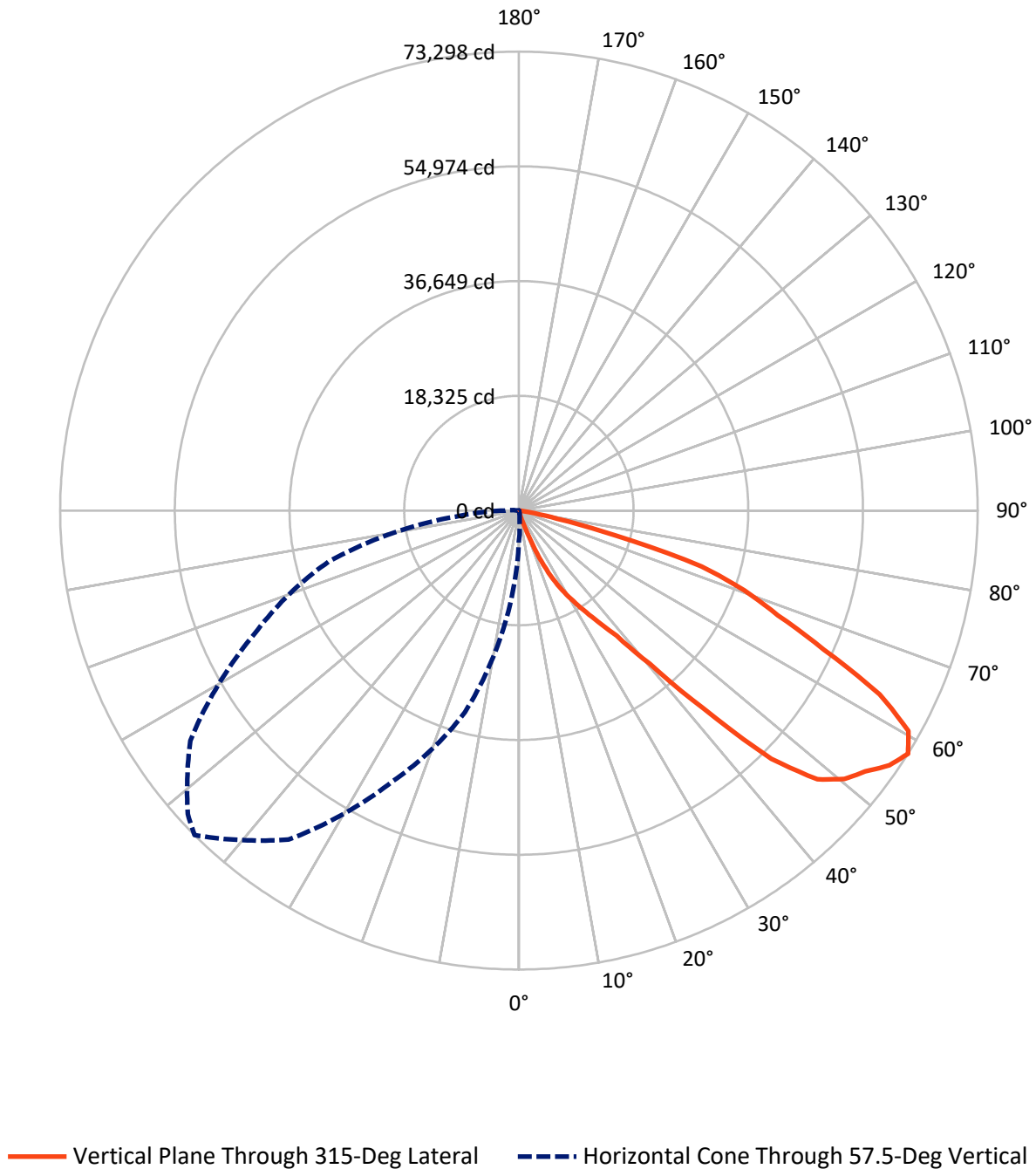
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.2 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	143.1	0.0	143.1
	% Fixture	0.5	0.0	0.5
Street Side	Lumens	28441.0	0.0	28441.0
	% Fixture	99.5	0.0	99.5
Total	Lumens	28584.2	0.0	28584.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.2	0.0
10°-20°	62.8	0.2
20°-30°	677.4	2.4
30°-40°	2003.2	7.0
40°-50°	5970.1	20.9
50°-60°	9466.4	33.1
60°-70°	7902.2	27.6
70°-80°	2436.7	8.5
80°-90°	54.2	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°	28584.2	100.0
0°-180°	28584.2	100.0



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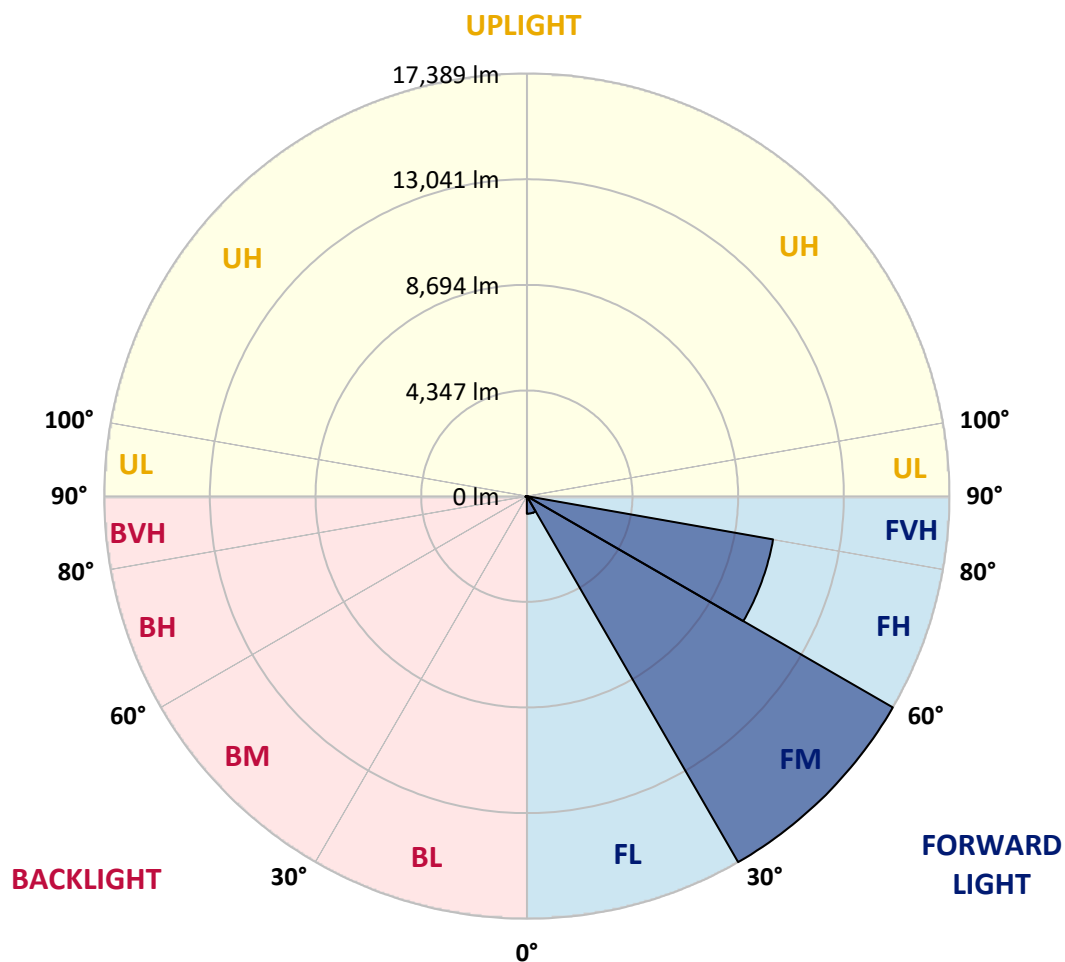
CATALOG NUMBER: GALN-SA9B-950-U-RBC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	725.1	2.5			
FM	(30°-60°)	17388.5	60.8			
FH	(60°-80°)	10285.5	36.0			G4/12000
FVH	(80°-90°)	41.9	0.1			G1/100
BL	(0°-30°)	26.3	0.1	B0/110		
BM	(30°-60°)	51.2	0.2	B0/220		
BH	(60°-80°)	53.4	0.2	B0/110		G0/110
BVH	(80°-90°)	12.3	0.0			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G4

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°	125.3	125.3	125.3	125.3	125.3	125.3	125.3	125.3	125.3	125.3
2.5°	114.5	114.5	114.5	114.5	112.3	112.3	110.2	110.2	108.0	108.0
5°	121.0	121.0	118.8	116.6	116.6	114.5	112.3	110.2	110.2	108.0
7.5°	131.8	129.6	127.4	125.3	121.0	118.8	114.5	112.3	110.2	105.8
10°	144.7	140.4	136.1	131.8	127.4	123.1	118.8	116.6	112.3	110.2
12.5°	162.0	155.5	146.9	140.4	136.1	129.6	125.3	121.0	114.5	110.2
15°	177.1	168.5	157.7	149.0	142.6	133.9	127.4	121.0	116.6	110.2
17.5°	198.7	183.6	166.3	155.5	146.9	136.1	125.3	118.8	112.3	103.7
20°	235.4	205.2	172.8	159.8	146.9	133.9	121.0	112.3	105.8	97.2
22.5°	293.8	241.9	190.1	170.6	153.4	133.9	116.6	108.0	99.4	90.7
25°	406.1	313.2	220.3	194.4	168.5	142.6	116.6	105.8	97.2	86.4
27.5°	540.0	401.8	261.4	224.6	190.1	153.4	116.6	103.7	92.9	79.9
30°	676.1	492.5	306.7	259.2	211.7	164.2	116.6	101.5	88.6	73.4
32.5°	805.7	576.7	345.6	289.5	233.3	175.0	118.8	101.5	84.2	67.0
35°	937.5	645.9	352.1	293.8	235.4	175.0	116.6	97.2	79.9	60.5
37.5°	1106.0	723.6	339.1	280.8	224.6	166.3	110.2	92.9	75.6	56.2
40°	1360.9	853.2	345.6	285.1	224.6	164.2	103.7	86.4	71.3	54.0
42.5°	1831.7	1103.8	373.7	304.6	235.4	164.2	95.0	79.9	67.0	51.8
45°	3166.7	1833.9	501.1	397.5	293.8	190.1	86.4	73.4	62.6	49.7
47.5°	5238.2	3069.5	900.8	695.5	492.5	287.3	84.2	73.4	62.6	49.7
50°	6685.4	3909.7	1134.0	872.7	611.3	349.9	88.6	75.6	64.8	51.8
52.5°	6674.6	3970.2	1263.6	969.9	678.3	384.5	92.9	79.9	69.1	56.2
55°	5933.7	3611.7	1287.4	989.3	693.4	395.3	99.4	86.4	73.4	60.5
57.5°	4959.5	3067.3	1175.1	909.4	645.9	380.2	114.5	99.4	86.4	71.3
60°	3922.7	2419.3	915.9	723.6	533.5	341.3	151.2	131.8	114.5	95.0
62.5°	2708.7	1754.0	799.2	641.5	486.0	328.3	172.8	153.4	136.1	116.6
65°	1916.0	1319.8	721.5	587.5	455.8	321.9	187.9	166.3	146.9	125.3
67.5°	1432.1	1049.8	665.3	550.8	436.3	321.9	207.4	181.4	157.7	131.8
70°	1097.3	861.9	624.3	531.4	440.7	347.8	254.9	218.2	183.6	146.9
72.5°	894.3	736.6	576.7	509.8	442.8	375.9	308.9	261.4	213.8	164.2
75°	740.9	630.7	520.6	464.4	410.4	354.3	298.1	254.9	213.8	170.6
77.5°	492.5	449.3	403.9	371.5	339.1	304.6	272.2	235.4	200.9	164.2
80°	172.8	166.3	159.8	172.8	185.8	198.7	211.7	185.8	162.0	136.1
82.5°	25.9	23.8	21.6	23.8	25.9	28.1	30.2	32.4	34.6	36.7
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

CATALOG NUMBER: GALN-SA9B-950-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]

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CATALOG NUMBER: GALN-SA9B-950-U-RBC

CANDELA DISTRIBUTION (continued):

25°		27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°
0.0	0°	125.3	125.3	125.3	125.3	125.3	125.3	125.3	125.3	125.3	125.3
0.0	2.5°	105.8	105.8	103.7	103.7	103.7	101.5	101.5	99.4	99.4	99.4
0.0	5°	103.7	103.7	101.5	99.4	97.2	97.2	95.0	92.9	92.9	90.7
0.0	7.5°	101.5	99.4	97.2	95.0	92.9	90.7	88.6	86.4	86.4	84.2
0.0	10°	103.7	99.4	97.2	92.9	90.7	88.6	84.2	82.1	79.9	79.9
0.0	12.5°	99.4	97.2	92.9	88.6	86.4	82.1	79.9	75.6	73.4	73.4
0.0	15°	99.4	95.0	88.6	84.2	79.9	77.8	73.4	69.1	67.0	64.8
0.0	17.5°	92.9	88.6	82.1	77.8	73.4	69.1	64.8	60.5	58.3	56.2
0.0	20°	84.2	79.9	73.4	67.0	62.6	58.3	54.0	49.7	47.5	45.4
0.0	22.5°	75.6	71.3	64.8	58.3	54.0	49.7	43.2	38.9	36.7	32.4
0.0	25°	71.3	64.8	58.3	51.8	45.4	41.0	34.6	28.1	23.8	19.4
0.0	27.5°	60.5	54.0	47.5	41.0	34.6	28.1	21.6	15.1	10.8	8.6
0.0	30°	51.8	45.4	38.9	32.4	23.8	17.3	10.8	2.2	2.2	2.2
0.0	32.5°	43.2	36.7	28.1	21.6	17.3	10.8	6.5	0.0	0.0	0.0
0.0	35°	34.6	28.1	19.4	13.0	10.8	6.5	4.3	0.0	0.0	0.0
0.0	37.5°	30.2	23.8	15.1	6.5	4.3	4.3	2.2	0.0	0.0	0.0
0.0	40°	28.1	19.4	10.8	2.2	2.2	2.2	0.0	0.0	0.0	0.0
0.0	42.5°	28.1	19.4	8.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	28.1	19.4	8.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	28.1	19.4	8.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	30.2	21.6	10.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	34.6	25.9	17.3	8.6	6.5	4.3	2.2	0.0	0.0	0.0
0.0	55°	43.2	38.9	32.4	28.1	21.6	15.1	6.5	0.0	0.0	0.0
0.0	57.5°	56.2	56.2	54.0	51.8	38.9	25.9	13.0	0.0	0.0	0.0
0.0	60°	75.6	75.6	75.6	75.6	56.2	38.9	19.4	0.0	0.0	0.0
0.0	62.5°	92.9	88.6	82.1	77.8	58.3	38.9	19.4	0.0	0.0	0.0
0.0	65°	92.9	84.2	73.4	62.6	47.5	32.4	15.1	0.0	0.0	0.0
0.0	67.5°	86.4	69.1	49.7	32.4	23.8	17.3	8.6	0.0	0.0	0.0
	70°	86.4	60.5	34.6	8.6	6.5	4.3	2.2	0.0	0.0	0.0
	72.5°	86.4	58.3	28.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	75°	95.0	64.8	32.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	77.5°	95.0	64.8	32.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	80°	84.2	56.2	28.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	82.5°	28.1	19.4	8.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CATALOG NUMBER: GALN-SA9B-950-U-RBC

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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°	125.3	125.3	125.3	125.3	125.3	125.3	125.3	125.3	125.3	125.3
0.0	2.5°	97.2	97.2	97.2	95.0	95.0	95.0	95.0	92.9	92.9	92.9
0.0	5°	88.6	88.6	86.4	86.4	84.2	84.2	82.1	82.1	79.9	79.9
0.0	7.5°	82.1	79.9	79.9	77.8	75.6	75.6	73.4	73.4	71.3	69.1
0.0	10°	75.6	73.4	73.4	71.3	69.1	67.0	67.0	64.8	62.6	60.5
0.0	12.5°	69.1	67.0	64.8	62.6	60.5	58.3	58.3	56.2	54.0	51.8
0.0	15°	60.5	58.3	56.2	54.0	51.8	49.7	49.7	47.5	45.4	43.2
0.0	17.5°	51.8	49.7	49.7	47.5	45.4	43.2	41.0	36.7	34.6	32.4
0.0	20°	38.9	36.7	34.6	32.4	30.2	25.9	23.8	19.4	15.1	13.0
0.0	22.5°	25.9	21.6	19.4	15.1	10.8	8.6	6.5	2.2	0.0	0.0
0.0	25°	8.6	6.5	4.3	2.2	0.0	0.0	0.0	0.0	0.0	0.0
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	32.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CATALOG NUMBER: GALN-SA9B-950-U-RBC

[illegible]

REPORT NUMBER: P1049458

CATALOG NUMBER: GALN-SA9B-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°	125.3	125.3	125.3	125.3	125.3	125.3	125.3	125.3	125.3	125.3
0.0	2.5°	90.7	90.7	90.7	88.6	88.6	88.6	88.6	88.6	88.6	88.6
0.0	5°	77.8	77.8	77.8	75.6	75.6	73.4	73.4	73.4	71.3	71.3
0.0	7.5°	67.0	64.8	64.8	62.6	62.6	60.5	60.5	60.5	58.3	58.3
0.0	10°	56.2	54.0	54.0	51.8	51.8	49.7	49.7	47.5	47.5	45.4
0.0	12.5°	49.7	47.5	45.4	43.2	43.2	41.0	38.9	38.9	36.7	34.6
0.0	15°	38.9	36.7	34.6	32.4	30.2	28.1	25.9	25.9	23.8	21.6
0.0	17.5°	25.9	21.6	19.4	17.3	17.3	15.1	13.0	10.8	8.6	6.5
0.0	20°	6.5	4.3	2.2	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: P1049458

CATALOG NUMBER: GALN-SA9B-950-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049458

CATALOG NUMBER: GALN-SA9B-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°	125.3	125.3	125.3	125.3	125.3	125.3	125.3	125.3	125.3	125.3
0.0	2.5°	88.6	86.4	86.4	86.4	88.6	88.6	88.6	88.6	88.6	88.6
0.0	5°	71.3	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
0.0	7.5°	58.3	56.2	56.2	56.2	56.2	54.0	54.0	54.0	54.0	54.0
0.0	10°	45.4	43.2	43.2	43.2	43.2	41.0	41.0	41.0	41.0	41.0
0.0	12.5°	32.4	32.4	30.2	30.2	30.2	28.1	28.1	28.1	28.1	25.9
0.0	15°	19.4	17.3	15.1	15.1	15.1	13.0	13.0	13.0	13.0	10.8
0.0	17.5°	4.3	4.3	2.2	2.2	2.2	0.0	0.0	0.0	0.0	0.0
0.0	20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	32.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CATALOG NUMBER: GALN-SA9B-950-U-RBC

[illegible]



REPORT NUMBER: P1049458

CATALOG NUMBER: GALN-SA9B-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°	125.3	125.3	125.3	125.3	125.3	125.3	125.3	125.3	125.3	125.3
0.0	2.5°	90.7	90.7	92.9	92.9	95.0	99.4	101.5	103.7	108.0	112.3
0.0	5°	71.3	73.4	73.4	75.6	77.8	79.9	82.1	84.2	88.6	92.9
0.0	7.5°	56.2	56.2	58.3	58.3	60.5	64.8	67.0	69.1	73.4	79.9
0.0	10°	43.2	43.2	45.4	45.4	47.5	51.8	54.0	56.2	60.5	67.0
0.0	12.5°	28.1	30.2	30.2	32.4	34.6	38.9	41.0	43.2	47.5	51.8
0.0	15°	13.0	15.1	15.1	17.3	19.4	23.8	25.9	28.1	32.4	38.9
0.0	17.5°	2.2	2.2	4.3	4.3	6.5	8.6	10.8	13.0	19.4	23.8
0.0	20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	8.6
0.0	22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2
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: P1049458

CATALOG NUMBER: GALN-SA9B-950-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049458

CATALOG NUMBER: GALN-SA9B-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°	125.3	125.3	125.3	125.3	125.3	125.3	125.3	125.3	125.3	125.3
0.0	2.5°	118.8	123.1	127.4	131.8	136.1	140.4	142.6	146.9	149.0	151.2
0.0	5°	101.5	105.8	112.3	116.6	121.0	125.3	129.6	131.8	133.9	136.1
0.0	7.5°	88.6	92.9	99.4	103.7	108.0	112.3	116.6	121.0	123.1	125.3
0.0	10°	75.6	82.1	86.4	92.9	97.2	101.5	105.8	110.2	114.5	116.6
0.0	12.5°	60.5	67.0	73.4	77.8	84.2	90.7	95.0	99.4	103.7	108.0
0.0	15°	47.5	54.0	60.5	64.8	71.3	77.8	84.2	88.6	92.9	97.2
0.0	17.5°	34.6	41.0	47.5	51.8	58.3	64.8	69.1	75.6	79.9	84.2
0.0	20°	17.3	23.8	30.2	36.7	43.2	49.7	54.0	60.5	64.8	69.1
0.0	22.5°	2.2	8.6	15.1	19.4	25.9	32.4	36.7	43.2	47.5	51.8
0.0	25°	0.0	2.2	6.5	8.6	10.8	15.1	19.4	23.8	28.1	32.4
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	2.2	4.3	8.6	13.0	17.3
0.0	30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3
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	2.2
	82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2	4.3
	85°	0.0	0.0	0.0	0.0	0.0	4.3	6.5	10.8	13.0	15.1
	87.5°	0.0	2.2	4.3	6.5	8.6	13.0	17.3	21.6	23.8	25.9
	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1049458

CATALOG NUMBER: GALN-SA9B-950-U-RBC

CANDELA DISTRIBUTION (continued):

190°		165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°
125.3	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
151.2	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
138.2	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.4	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
121.0	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110.2	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
101.5	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90.7	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
73.4	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
56.2	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38.9	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21.6	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.5	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0											
0.0											
0.0											
0.0											
2.2											
8.6											
19.4											
28.1											
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REPORT NUMBER: P1049458

CATALOG NUMBER: GALN-SA9B-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°	125.3	125.3	125.3	125.3	125.3	125.3	125.3	125.3	125.3	125.3
0.0	2.5°	153.4	153.4	153.4	153.4	151.2	151.2	151.2	149.0	149.0	146.9
0.0	5°	140.4	142.6	142.6	142.6	142.6	142.6	142.6	142.6	140.4	140.4
0.0	7.5°	129.6	131.8	133.9	133.9	136.1	136.1	136.1	133.9	133.9	131.8
0.0	10°	123.1	125.3	125.3	127.4	127.4	127.4	127.4	127.4	127.4	127.4
0.0	12.5°	114.5	116.6	118.8	118.8	121.0	121.0	121.0	121.0	118.8	118.8
0.0	15°	103.7	108.0	110.2	112.3	112.3	114.5	114.5	114.5	114.5	114.5
0.0	17.5°	95.0	99.4	101.5	103.7	103.7	105.8	105.8	108.0	108.0	108.0
0.0	20°	77.8	82.1	84.2	88.6	90.7	92.9	95.0	97.2	97.2	99.4
0.0	22.5°	60.5	64.8	67.0	71.3	73.4	75.6	77.8	79.9	82.1	84.2
0.0	25°	43.2	47.5	49.7	54.0	56.2	58.3	60.5	62.6	62.6	64.8
0.0	27.5°	23.8	28.1	32.4	34.6	38.9	41.0	43.2	45.4	47.5	49.7
0.0	30°	10.8	13.0	15.1	19.4	21.6	23.8	25.9	30.2	32.4	34.6
0.0	32.5°	0.0	0.0	2.2	6.5	8.6	10.8	13.0	15.1	15.1	17.3
0.0	35°	0.0	0.0	0.0	0.0	0.0	0.0	2.2	4.3	6.5	8.6
0.0	37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	80°	4.3	4.3	4.3	6.5	6.5	6.5	6.5	6.5	6.5	6.5
	82.5°	10.8	13.0	15.1	15.1	17.3	17.3	17.3	17.3	15.1	15.1
	85°	21.6	23.8	25.9	25.9	28.1	28.1	28.1	28.1	28.1	28.1
	87.5°	30.2	32.4	34.6	34.6	36.7	36.7	36.7	36.7	36.7	36.7
	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: P1049458

CATALOG NUMBER: GALN-SA9B-950-U-RBC

CANDELA DISTRIBUTION (continued):

217.5°		192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°
125.3	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
146.9	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140.4	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
131.8	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.4	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
118.8	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
114.5	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
108.0	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.2	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
84.2	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.0	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
51.8	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36.7	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21.6	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.0	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.3	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.3	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.2	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.2	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.2	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.2	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.2	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											
6.5											
15.1											
28.1											
36.7											
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REPORT NUMBER: P1049458

CATALOG NUMBER: GALN-SA9B-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°	125.3	125.3	125.3	125.3	125.3	125.3	125.3	125.3	125.3	125.3
0.0	2.5°	144.7	144.7	142.6	142.6	142.6	142.6	142.6	144.7	146.9	146.9
0.0	5°	138.2	138.2	136.1	136.1	136.1	138.2	138.2	140.4	142.6	144.7
0.0	7.5°	131.8	129.6	129.6	131.8	131.8	133.9	133.9	136.1	138.2	140.4
0.0	10°	127.4	125.3	125.3	125.3	127.4	127.4	129.6	131.8	133.9	136.1
0.0	12.5°	118.8	118.8	118.8	118.8	121.0	121.0	123.1	125.3	129.6	131.8
0.0	15°	114.5	112.3	112.3	112.3	112.3	114.5	114.5	118.8	123.1	125.3
0.0	17.5°	105.8	105.8	103.7	103.7	105.8	105.8	108.0	112.3	116.6	118.8
0.0	20°	97.2	95.0	92.9	92.9	95.0	95.0	97.2	101.5	105.8	108.0
0.0	22.5°	84.2	82.1	82.1	82.1	82.1	84.2	84.2	88.6	95.0	99.4
0.0	25°	67.0	69.1	69.1	71.3	71.3	73.4	75.6	79.9	86.4	90.7
0.0	27.5°	51.8	54.0	54.0	58.3	60.5	62.6	64.8	71.3	77.8	82.1
0.0	30°	38.9	41.0	43.2	45.4	49.7	54.0	58.3	64.8	71.3	75.6
0.0	32.5°	23.8	28.1	30.2	34.6	38.9	43.2	47.5	54.0	62.6	69.1
0.0	35°	17.3	19.4	23.8	25.9	30.2	34.6	38.9	47.5	54.0	62.6
0.0	37.5°	8.6	13.0	17.3	21.6	25.9	30.2	34.6	43.2	51.8	58.3
0.0	40°	6.5	10.8	13.0	17.3	23.8	28.1	32.4	41.0	49.7	58.3
0.0	42.5°	4.3	6.5	8.6	15.1	19.4	25.9	32.4	41.0	49.7	58.3
0.0	45°	4.3	4.3	6.5	13.0	19.4	28.1	34.6	43.2	49.7	58.3
0.0	47.5°	4.3	6.5	8.6	17.3	21.6	28.1	34.6	41.0	49.7	56.2
0.0	50°	6.5	8.6	10.8	19.4	23.8	30.2	34.6	43.2	49.7	58.3
0.0	52.5°	4.3	6.5	8.6	17.3	23.8	32.4	38.9	47.5	56.2	62.6
0.0	55°	2.2	2.2	2.2	13.0	25.9	36.7	49.7	56.2	64.8	71.3
0.0	57.5°	0.0	0.0	0.0	8.6	25.9	41.0	56.2	64.8	73.4	79.9
0.0	60°	0.0	0.0	0.0	8.6	25.9	41.0	56.2	67.0	77.8	88.6
0.0	62.5°	0.0	0.0	0.0	8.6	21.6	34.6	47.5	64.8	84.2	101.5
0.0	65°	0.0	0.0	0.0	6.5	17.3	28.1	38.9	64.8	90.7	114.5
0.0	67.5°	0.0	0.0	0.0	6.5	17.3	25.9	36.7	64.8	90.7	118.8
	70°	0.0	0.0	0.0	6.5	17.3	28.1	38.9	64.8	90.7	116.6
	72.5°	0.0	0.0	0.0	6.5	19.4	30.2	43.2	64.8	86.4	108.0
	75°	0.0	0.0	0.0	8.6	19.4	32.4	45.4	64.8	84.2	101.5
	77.5°	0.0	0.0	0.0	6.5	19.4	30.2	43.2	62.6	82.1	99.4
	80°	6.5	4.3	4.3	10.8	19.4	28.1	36.7	56.2	77.8	97.2
	82.5°	13.0	13.0	10.8	15.1	19.4	25.9	32.4	49.7	69.1	86.4
	85°	25.9	25.9	23.8	25.9	25.9	28.1	30.2	38.9	47.5	56.2
	87.5°	34.6	34.6	32.4	32.4	32.4	30.2	30.2	30.2	30.2	28.1
	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1049458

CATALOG NUMBER: GALN-SA9B-950-U-RBC

CANDELA DISTRIBUTION (continued):

245°		220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°
125.3	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
149.0	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
146.9	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.6	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
138.2	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
133.9	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
129.6	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
123.1	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
112.3	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
103.7	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95.0	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.6	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.1	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75.6	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
69.1	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.0	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.0	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.0	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
64.8	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.6	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
64.8	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
71.3	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.8	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.6	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
99.4	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
118.8	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140.4	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
144.7	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.6											
129.6											
121.0											
118.8											
116.6											
103.7											
64.8											
28.1											
0.0											
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0.0											

REPORT NUMBER: P1049458

CATALOG NUMBER: GALN-SA9B-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°	125.3	125.3	125.3	125.3	125.3	125.3	125.3	125.3	125.3	125.3
0.0	2.5°	151.2	153.4	153.4	155.5	157.7	159.8	159.8	162.0	162.0	162.0
0.0	5°	149.0	153.4	155.5	157.7	159.8	162.0	164.2	166.3	168.5	168.5
0.0	7.5°	146.9	149.0	153.4	155.5	159.8	162.0	166.3	168.5	170.6	172.8
0.0	10°	142.6	146.9	151.2	155.5	159.8	164.2	168.5	172.8	177.1	179.3
0.0	12.5°	138.2	144.7	149.0	153.4	159.8	166.3	170.6	177.1	181.4	185.8
0.0	15°	136.1	140.4	146.9	151.2	159.8	168.5	175.0	183.6	192.2	198.7
0.0	17.5°	129.6	138.2	144.7	151.2	159.8	170.6	179.3	187.9	200.9	213.8
0.0	20°	121.0	127.4	136.1	142.6	155.5	166.3	179.3	190.1	209.5	229.0
0.0	22.5°	112.3	121.0	127.4	136.1	151.2	164.2	179.3	192.2	224.6	254.9
0.0	25°	103.7	114.5	123.1	131.8	149.0	166.3	183.6	200.9	254.9	308.9
0.0	27.5°	99.4	108.0	118.8	127.4	149.0	172.8	194.4	216.0	302.4	386.7
0.0	30°	92.9	103.7	112.3	123.1	151.2	179.3	207.4	235.4	367.2	499.0
0.0	32.5°	86.4	97.2	108.0	118.8	155.5	192.2	226.8	263.5	436.3	607.0
0.0	35°	79.9	92.9	103.7	114.5	162.0	211.7	259.2	306.7	499.0	689.1
0.0	37.5°	77.8	90.7	101.5	112.3	164.2	213.8	265.7	315.4	505.5	695.5
0.0	40°	79.9	90.7	103.7	114.5	157.7	200.9	241.9	285.1	483.9	680.4
0.0	42.5°	79.9	92.9	105.8	118.8	153.4	187.9	222.5	257.0	477.4	697.7
0.0	45°	77.8	90.7	103.7	116.6	149.0	179.3	211.7	241.9	516.3	788.4
0.0	47.5°	75.6	88.6	101.5	114.5	146.9	179.3	211.7	244.1	667.5	1088.7
0.0	50°	75.6	88.6	99.4	110.2	149.0	190.1	229.0	267.8	972.0	1674.1
0.0	52.5°	79.9	90.7	99.4	108.0	153.4	200.9	246.2	291.6	1235.6	2177.4
0.0	55°	86.4	92.9	101.5	108.0	164.2	218.2	274.3	328.3	1315.5	2302.6
0.0	57.5°	95.0	101.5	108.0	114.5	183.6	252.7	319.7	388.8	1322.0	2253.0
0.0	60°	105.8	114.5	121.0	127.4	200.9	276.5	349.9	423.4	1196.7	1967.8
0.0	62.5°	129.6	140.4	149.0	159.8	231.1	300.3	371.5	440.7	993.6	1546.6
0.0	65°	149.0	157.7	166.3	175.0	244.1	315.4	384.5	453.6	842.4	1231.2
0.0	67.5°	153.4	162.0	168.5	177.1	248.4	319.7	388.8	460.1	721.5	980.7
	70°	155.5	166.3	179.3	190.1	263.5	337.0	408.3	481.7	639.4	797.1
	72.5°	149.0	170.6	190.1	209.5	278.7	345.6	414.7	481.7	594.0	706.3
	75°	149.0	179.3	207.4	235.4	287.3	337.0	388.8	438.5	524.9	611.3
	77.5°	157.7	196.6	235.4	274.3	304.6	332.7	362.9	391.0	447.1	503.3
	80°	157.7	198.7	237.6	278.7	291.6	306.7	319.7	332.7	339.1	345.6
	82.5°	136.1	168.5	200.9	233.3	218.2	203.0	187.9	172.8	162.0	149.0
	85°	69.1	75.6	79.9	84.2	77.8	71.3	64.8	58.3	54.0	47.5
	87.5°	28.1	28.1	25.9	25.9	25.9	25.9	23.8	23.8	23.8	23.8
	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: P1049458

CATALOG NUMBER: GALN-SA9B-950-U-RBC

CANDELA DISTRIBUTION (continued):

272.5°		247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°
125.3	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.0	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
168.5	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175.0	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
183.6	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
192.2	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
209.5	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
231.1	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
265.7	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
339.1	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
460.1	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
639.4	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
866.2	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1082.2	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1229.1	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1339.2	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1449.4	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1665.4	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2097.4	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3196.9	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4896.9	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6164.9	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6305.3	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5689.7	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4864.5	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3801.7	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2872.9	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2121.2	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1501.3											
1116.8											
812.2											
611.3											
343.5											
155.5											
45.4											
21.6											
0.0											
0.0											
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REPORT NUMBER: P1049458

CATALOG NUMBER: GALN-SA9B-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°	125.3	125.3	125.3	125.3	125.3	125.3	125.3	125.3	125.3	125.3
0.0	2.5°	162.0	159.8	159.8	157.7	155.5	153.4	151.2	149.0	146.9	144.7
0.0	5°	168.5	168.5	168.5	166.3	166.3	164.2	164.2	162.0	159.8	157.7
0.0	7.5°	175.0	177.1	177.1	179.3	179.3	179.3	179.3	177.1	177.1	177.1
0.0	10°	185.8	187.9	190.1	192.2	194.4	196.6	196.6	198.7	198.7	198.7
0.0	12.5°	198.7	205.2	209.5	216.0	220.3	226.8	231.1	237.6	241.9	246.2
0.0	15°	218.2	229.0	241.9	252.7	263.5	278.7	295.9	311.1	326.2	349.9
0.0	17.5°	246.2	280.8	315.4	347.8	382.3	457.9	533.5	607.0	682.6	792.7
0.0	20°	300.3	403.9	505.5	609.1	710.7	976.4	1239.9	1505.6	1769.1	2052.1
0.0	22.5°	421.2	676.1	931.0	1185.9	1440.8	1995.9	2548.9	3104.0	3657.0	4307.2
0.0	25°	611.3	1080.0	1548.8	2015.4	2484.1	3352.4	4223.0	5091.3	5959.7	6804.3
0.0	27.5°	890.0	1607.1	2324.2	3039.2	3756.4	4933.6	6113.0	7290.3	8467.5	9422.3
0.0	30°	1233.4	2205.4	3177.5	4149.5	5121.6	6460.8	7800.1	9137.1	10476.4	11519.7
0.0	32.5°	1557.4	2747.6	3937.8	5125.9	6316.1	7841.1	9368.3	10893.3	12418.3	13558.8
0.0	35°	1769.1	3207.7	4648.5	6087.1	7525.7	9176.0	10826.3	12474.5	14124.8	15427.3
0.0	37.5°	1980.8	3641.9	5300.8	6961.9	8620.9	10433.2	12245.5	14057.8	15870.1	17479.4
0.0	40°	2218.4	4166.8	6113.0	8061.4	10007.7	12154.8	14299.7	16446.9	18591.8	20862.1
0.0	42.5°	2631.0	5037.3	7445.8	9852.1	12258.5	15099.0	17939.5	20777.8	23618.3	26858.4
0.0	45°	3406.4	6797.8	10191.3	13582.6	16973.9	20736.8	24501.8	28264.7	32027.5	36339.0
0.0	47.5°	5305.2	9970.9	14634.5	19300.3	23963.9	28027.0	32088.0	36151.1	40212.1	44506.3
0.0	50°	8117.6	13548.0	18978.5	24406.7	29837.2	33513.6	37187.9	40864.4	44538.7	48623.4
0.0	52.5°	10152.4	15809.6	21469.0	27126.3	32783.5	36101.4	39421.5	42739.4	46057.2	49874.1
0.0	55°	10305.7	15930.6	21557.6	27182.5	32807.3	36140.3	39473.3	42806.3	46139.3	50185.1
0.0	57.5°	9124.2	14703.7	20281.0	25860.5	31437.8	35233.1	39026.2	42821.4	46614.5	50988.7
0.0	60°	7761.2	13342.8	18922.3	24504.0	30083.4	34455.4	38829.6	43201.6	47573.6	51671.3
0.0	62.5°	6054.7	11796.2	17539.9	23281.3	29022.8	33461.8	37900.8	42337.6	46776.5	49850.3
0.0	65°	4512.4	10087.6	15662.7	21235.8	26810.9	30366.4	33921.9	37475.2	41030.7	42933.8
0.0	67.5°	3261.7	8070.1	12876.2	17684.6	22490.8	25035.3	27579.9	30122.3	32666.9	34122.8
	70°	2205.4	5536.3	8865.0	12195.8	15524.5	17615.5	19708.6	21799.5	23890.5	25856.2
	72.5°	1527.2	3397.8	5270.6	7141.2	9011.9	11115.8	13217.5	15321.5	17423.2	19503.4
	75°	1013.1	1864.1	2717.4	3568.5	4419.5	5976.9	7536.5	9093.9	10651.4	11891.2
	77.5°	719.3	974.2	1231.2	1486.1	1741.0	2032.6	2326.4	2618.0	2909.6	3352.4
	80°	341.3	373.7	406.1	436.3	468.7	574.6	680.4	786.3	892.1	1004.4
	82.5°	162.0	175.0	187.9	198.7	211.7	222.5	233.3	244.1	254.9	244.1
	85°	43.2	43.2	45.4	45.4	45.4	45.4	45.4	45.4	45.4	43.2
	87.5°	19.4	19.4	19.4	19.4	19.4	19.4	19.4	17.3	17.3	15.1
	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

300°		275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°
125.3	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.6	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155.5	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175.0	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
200.9	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
248.4	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
375.9	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
900.8	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2337.2	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4957.4	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7648.8	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10377.0	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12565.2	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14701.5	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16729.8	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19090.8	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23132.3	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30098.6	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40650.6	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48800.5	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52708.1	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
53691.0	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
54233.1	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55362.9	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55766.8	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52926.3	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44838.9	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35580.8	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27819.7											
21583.5											
13131.1											
3795.3											
1116.8											
231.1											
41.0											
15.1											
0.0											
0.0											
0.0											
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CANDELA DISTRIBUTION (continued):

300°		302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°
0.0	0°	125.3	125.3	125.3	125.3	125.3	125.3	125.3	125.3	125.3
0.0	2.5°	140.4	138.2	136.1	133.9	131.8	127.4	127.4	125.3	125.3
0.0	5°	153.4	151.2	149.0	146.9	146.9	144.7	142.6	142.6	140.4
0.0	7.5°	175.0	172.8	170.6	168.5	168.5	166.3	166.3	164.2	164.2
0.0	10°	200.9	200.9	200.9	200.9	200.9	198.7	198.7	198.7	196.6
0.0	12.5°	252.7	254.9	259.2	263.5	270.0	270.0	270.0	267.8	267.8
0.0	15°	399.6	423.4	440.7	457.9	473.1	507.6	503.3	496.8	492.5
0.0	17.5°	1010.9	1118.9	1177.2	1233.4	1291.7	1451.6	1425.7	1399.7	1376.0
0.0	20°	2620.2	2903.1	3091.1	3279.0	3469.1	3769.3	3695.9	3622.5	3549.0
0.0	22.5°	5605.4	6255.6	6538.6	6821.5	7102.3	7465.2	7229.8	6994.3	6761.1
0.0	25°	8491.3	9335.9	9813.2	10290.6	10765.8	10973.2	10666.5	10357.6	10050.9
0.0	27.5°	11331.8	12286.5	12707.8	13126.8	13548.0	13982.2	13602.0	13219.7	12839.5
0.0	30°	13608.5	14651.8	15107.6	15561.2	16017.0	16319.4	15926.3	15531.0	15137.8
0.0	32.5°	15842.0	16982.6	17481.5	17980.5	18477.3	18911.5	18427.6	17941.6	17457.8
0.0	35°	18030.2	19332.7	20019.6	20706.5	21393.4	21797.4	21222.8	20646.0	20071.5
0.0	37.5°	20700.1	22309.3	23078.3	23847.3	24616.3	25352.9	24720.0	24084.9	23452.0
0.0	40°	25402.5	27672.8	28852.2	30033.8	31213.2	32163.6	31364.4	30565.1	29765.9
0.0	42.5°	33338.7	36578.8	38274.5	39968.0	41663.6	43147.6	42307.3	41467.1	40626.8
0.0	45°	44962.1	49273.6	51340.8	53405.8	55473.0	56557.4	55347.7	54135.9	52926.3
0.0	47.5°	53092.6	57386.9	59227.2	61067.6	62908.0	64145.7	62666.1	61186.4	59708.9
0.0	50°	56790.7	60875.4	62722.3	64567.0	66413.8	67396.7	65688.0	63977.3	62268.6
0.0	52.5°	57505.7	61322.5	63525.8	65731.2	67934.5	69247.9	67230.3	65210.7	63193.2
0.0	55°	58279.0	62324.8	64880.2	67437.7	69993.1	71811.9	69530.8	67247.6	64966.6
0.0	57.5°	59734.9	64109.0	66657.9	69204.7	71753.6	73298.0	71010.5	68720.8	66433.3
0.0	60°	59864.5	63960.0	66150.3	68342.8	70533.1	71505.1	69317.0	67126.7	64938.5
0.0	62.5°	56000.1	59073.9	60594.6	62115.3	63636.0	64692.2	62409.0	60123.7	57840.5
0.0	65°	46742.0	48645.0	49856.8	51068.6	52280.4	53539.8	51448.8	49357.8	47266.9
0.0	67.5°	37036.7	38492.6	40088.9	41685.2	43281.5	44627.3	42953.2	41277.0	39602.9
	70°	29785.3	31748.9	33543.9	35338.9	37133.9	38235.6	36555.0	34872.3	33191.8
	72.5°	23663.7	25743.8	27242.9	28739.9	30239.0	30509.0	29273.4	28037.8	26804.4
	75°	14368.9	15608.7	15639.0	15667.1	15697.3	15954.4	14930.5	13906.6	12884.9
	77.5°	4238.1	4680.9	5045.9	5408.8	5773.9	6214.6	5838.7	5460.7	5084.8
	80°	1226.9	1339.2	1434.3	1527.2	1622.2	1566.1	1477.5	1388.9	1300.4
	82.5°	220.3	207.4	205.2	203.0	203.0	192.2	175.0	157.7	140.4
	85°	38.9	36.7	34.6	32.4	30.2	28.1	23.8	21.6	17.3
	87.5°	13.0	10.8	8.6	6.5	6.5	2.2	2.2	2.2	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-SA9B-950-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049458

CATALOG NUMBER: GALN-SA9B-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°	125.3	125.3	125.3	125.3	125.3	125.3	125.3	125.3	125.3
0.0	0.0	2.5°	123.1	121.0	121.0	121.0	121.0	118.8	118.8	118.8	118.8
0.0	0.0	5°	136.1	136.1	133.9	133.9	131.8	131.8	129.6	129.6	127.4
0.0	0.0	7.5°	159.8	157.7	155.5	153.4	151.2	146.9	144.7	142.6	142.6
0.0	0.0	10°	192.2	187.9	185.8	181.4	179.3	175.0	170.6	166.3	162.0
0.0	0.0	12.5°	252.7	244.1	237.6	229.0	220.3	213.8	205.2	198.7	190.1
0.0	0.0	15°	438.5	416.9	393.1	365.1	334.8	306.7	276.5	259.2	239.8
0.0	0.0	17.5°	1121.1	1008.8	894.3	801.4	708.5	617.8	524.9	457.9	391.0
0.0	0.0	20°	2853.5	2542.4	2231.4	1924.6	1615.7	1309.0	1000.1	844.6	689.1
0.0	0.0	22.5°	5370.0	4793.2	4214.3	3654.9	3093.2	2533.8	1974.3	1622.2	1272.3
0.0	0.0	25°	8288.2	7562.4	6836.7	5916.5	4994.1	4073.9	3153.7	2581.3	2008.9
0.0	0.0	27.5°	10785.3	9949.3	9113.4	7994.5	6875.5	5756.6	4637.7	3784.5	2933.4
0.0	0.0	30°	12947.5	12048.9	11150.3	9847.8	8545.3	7242.7	5940.2	4873.1	3806.1
0.0	0.0	32.5°	14822.5	13746.8	12671.0	11327.5	9983.9	8640.3	7296.8	5987.7	4678.7
0.0	0.0	35°	16984.7	15729.7	14472.5	12982.1	11489.5	9999.0	8508.6	7031.1	5551.4
0.0	0.0	37.5°	19732.3	18192.2	16649.9	14988.8	13327.7	11668.8	10007.7	8318.5	6629.3
0.0	0.0	40°	24992.1	23004.9	21017.6	18907.2	16794.6	14684.2	12573.8	10500.2	8426.5
0.0	0.0	42.5°	34416.6	31731.6	29046.6	26238.5	23428.2	20620.1	17809.9	14885.1	11958.2
0.0	0.0	45°	45052.8	41722.0	38388.9	35237.4	32083.7	28932.1	25780.6	21767.1	17753.7
0.0	0.0	47.5°	51034.1	47437.5	43841.0	40857.9	37874.8	34891.8	31908.7	27582.1	23255.4
0.0	0.0	50°	53235.2	49573.8	45912.5	43167.0	40419.4	37674.0	34926.3	30593.2	26257.9
0.0	0.0	52.5°	53703.9	49969.1	46234.4	43471.6	40708.9	37948.3	35185.5	30880.5	26575.5
0.0	0.0	55°	54667.3	50660.4	46651.3	43501.9	40352.5	37203.1	34053.7	29679.5	25305.3
0.0	0.0	57.5°	55926.6	51818.2	47709.7	44121.8	40533.9	36948.2	33360.3	28577.9	23795.4
0.0	0.0	60°	55596.1	52021.2	48444.1	44601.3	40756.4	36913.6	33068.7	27808.9	22546.9
0.0	0.0	62.5°	49859.0	47012.0	44162.8	41002.6	37840.3	34680.1	31519.9	26104.6	20689.3
0.0	0.0	65°	41017.8	38939.8	36861.8	34319.4	31774.8	29232.4	26690.0	21834.1	16980.4
0.0	0.0	67.5°	33243.6	30902.1	28558.4	26532.3	24504.0	22477.8	20449.5	16628.3	12807.1
		70°	26411.3	23864.6	21315.7	19337.0	17356.2	15377.6	13399.0	10858.7	8320.6
		72.5°	20974.4	18678.2	16382.0	14271.7	12159.1	10048.7	7936.1	6434.9	4933.6
		75°	10024.9	9106.9	8188.9	7085.1	5981.3	4877.5	3773.7	3119.2	2466.8
		77.5°	3715.3	3220.7	2723.9	2274.6	1825.3	1378.1	928.8	851.1	773.3
		80°	961.2	838.1	712.8	624.3	533.5	445.0	356.4	321.9	289.5
		82.5°	110.2	101.5	95.0	90.7	84.2	79.9	73.4	67.0	60.5
		85°	6.5	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1049458

CATALOG NUMBER: GALN-SA9B-950-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049458

CATALOG NUMBER: GALN-SA9B-950-U-RBC

CANDELA DISTRIBUTION (continued):

352.5°	355°		357.5°	360°
0.0	0.0	0°	125.3	125.3
0.0	0.0	2.5°	116.6	114.5
0.0	0.0	5°	123.1	121.0
0.0	0.0	7.5°	136.1	131.8
0.0	0.0	10°	149.0	144.7
0.0	0.0	12.5°	168.5	162.0
0.0	0.0	15°	190.1	177.1
0.0	0.0	17.5°	226.8	198.7
0.0	0.0	20°	306.7	235.4
0.0	0.0	22.5°	432.0	293.8
0.0	0.0	25°	635.1	406.1
0.0	0.0	27.5°	883.5	540.0
0.0	0.0	30°	1175.1	676.1
0.0	0.0	32.5°	1432.1	805.7
0.0	0.0	35°	1766.9	937.5
0.0	0.0	37.5°	2179.5	1106.0
0.0	0.0	40°	2818.9	1360.9
0.0	0.0	42.5°	3970.2	1831.7
0.0	0.0	45°	6447.8	3166.7
0.0	0.0	47.5°	9921.2	5238.2
0.0	0.0	50°	12137.5	6685.4
0.0	0.0	52.5°	12318.9	6674.6
0.0	0.0	55°	11245.4	5933.7
0.0	0.0	57.5°	9595.1	4959.5
0.0	0.0	60°	7975.0	3922.7
0.0	0.0	62.5°	6283.7	2708.7
0.0	0.0	65°	4592.3	1916.0
0.0	0.0	67.5°	3298.4	1432.1
		70°	2168.7	1097.3
		72.5°	1412.7	894.3
		75°	950.4	740.9
		77.5°	555.1	492.5
		80°	196.6	172.8
		82.5°	36.7	25.9
		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: P1049458

CATALOG NUMBER: GALN-SA9B-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

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

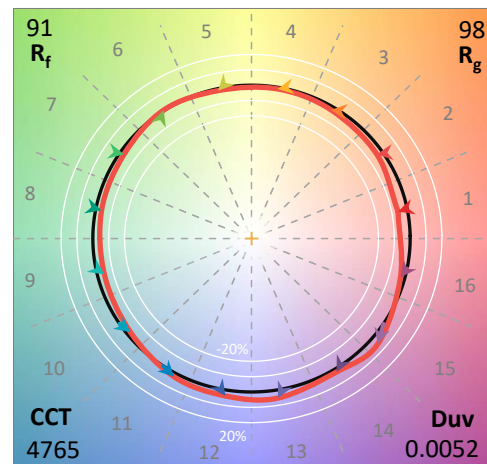
Test Information

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

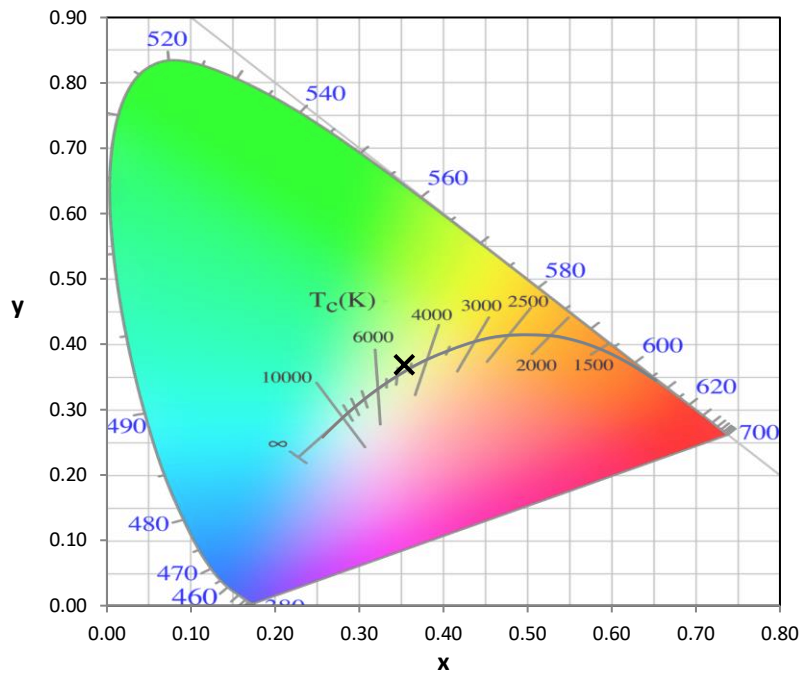
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-17

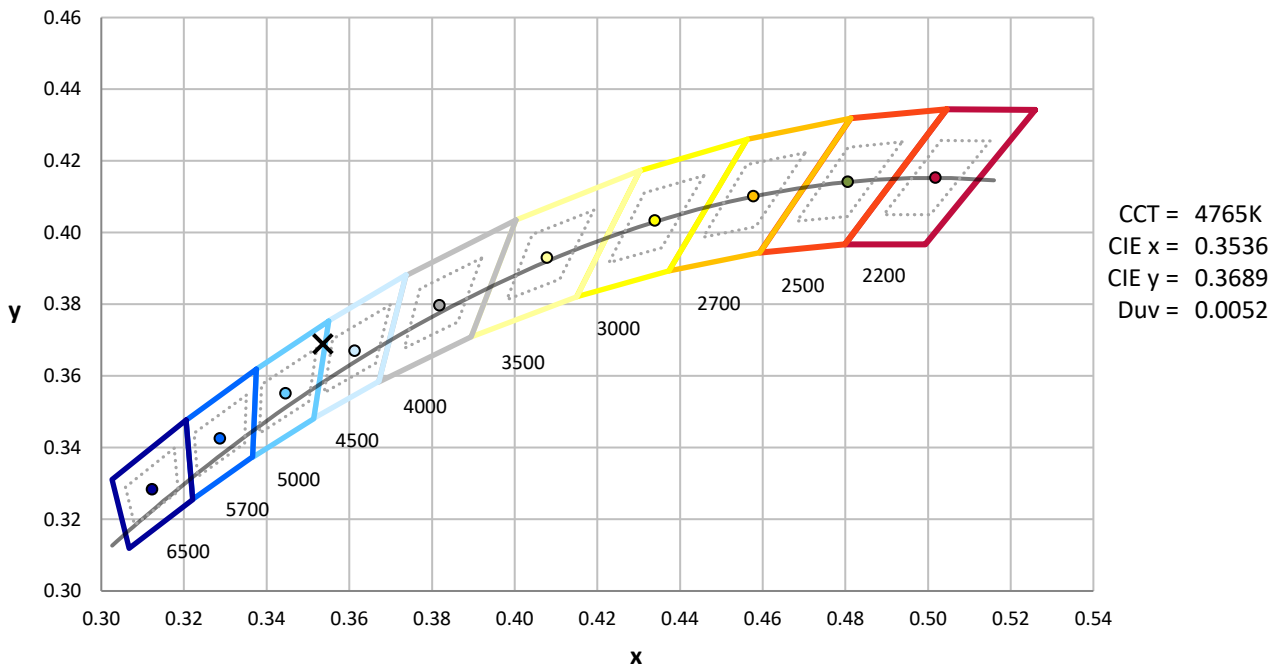
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-17

CIE 1931 Chromaticity Diagram



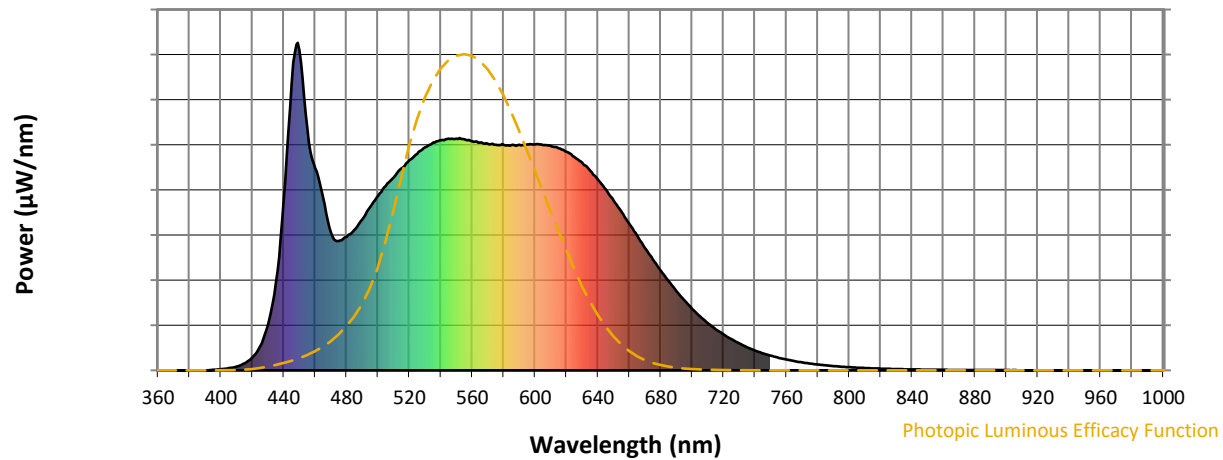
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 5000K 7-step quadrangle

REPORT NUMBER: SP1-2407-184-17

Photopic Flux vs. Wavelength

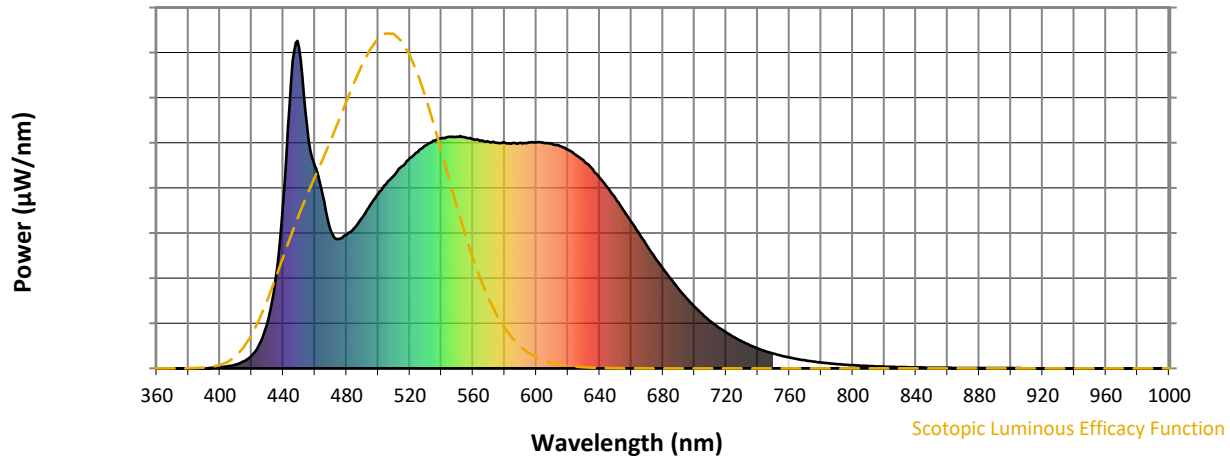


Photopic Lumens: NR

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			

REPORT NUMBER: SP1-2407-184-17

Scotopic Flux vs. Wavelength



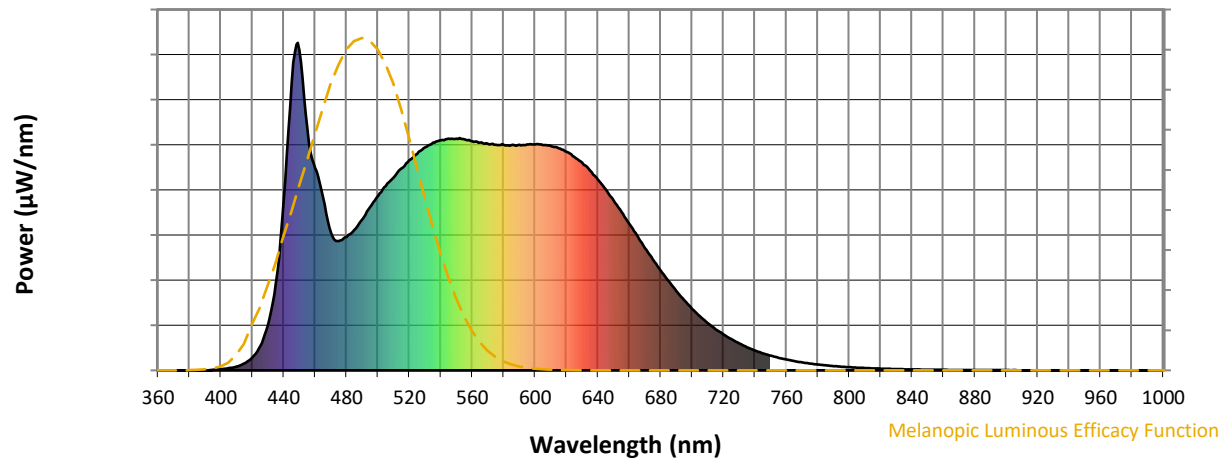
Scotopic Lumens: NR

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

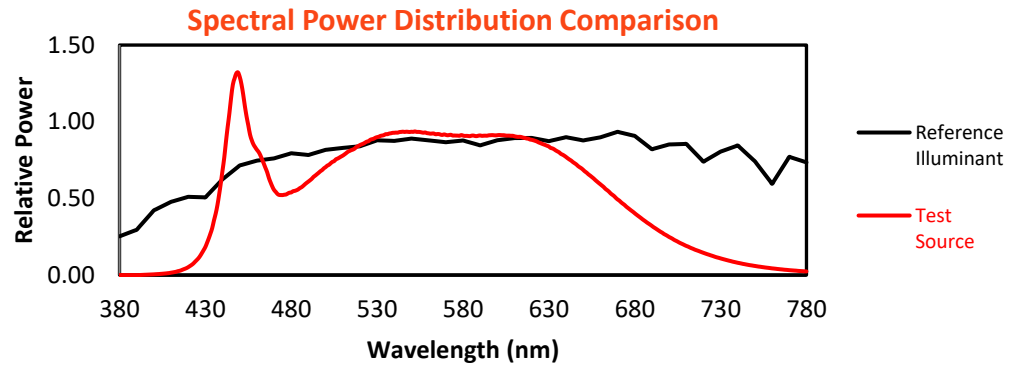
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	462	NR	620	668	NR	750	45	NR	880	1	NR
365	0	NR	495	498	NR	625	652	NR	755	39	NR	885	1	NR
370	0	NR	500	533	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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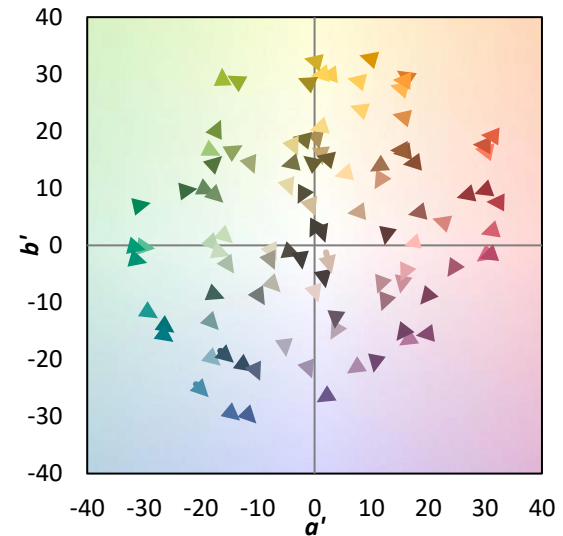
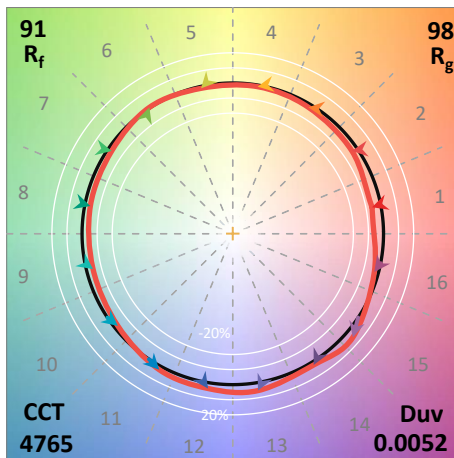
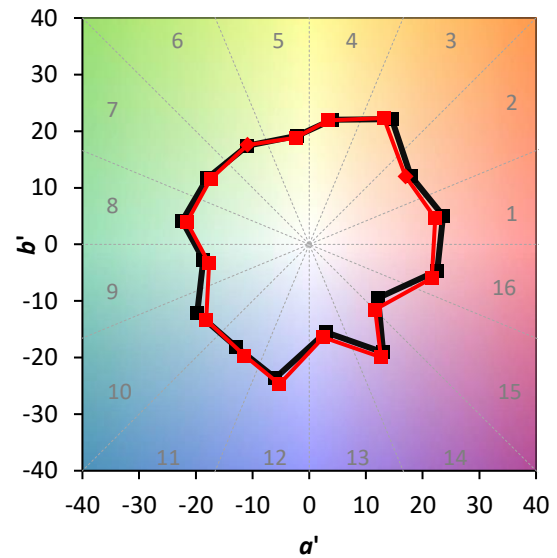
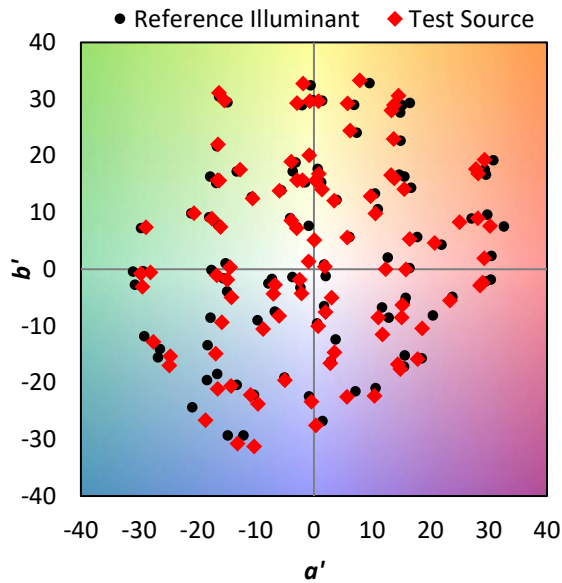
TM-30-18

Summary

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

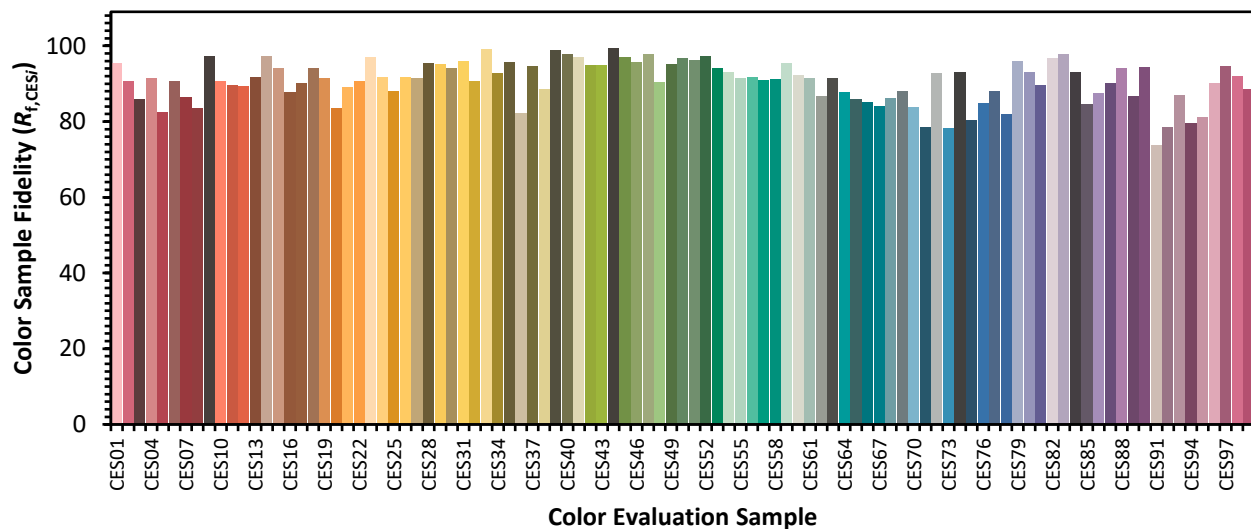


Color Vector Graphics

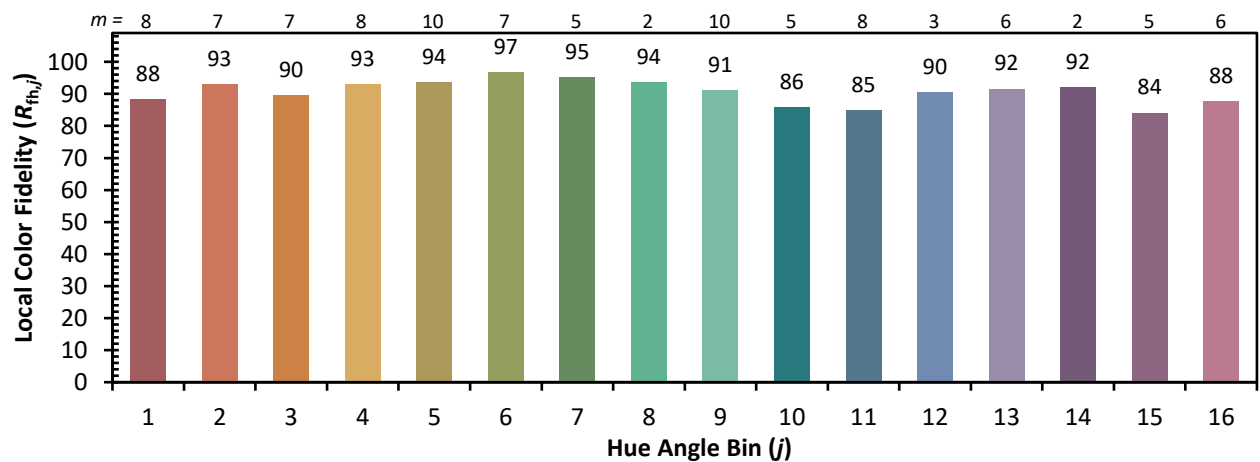
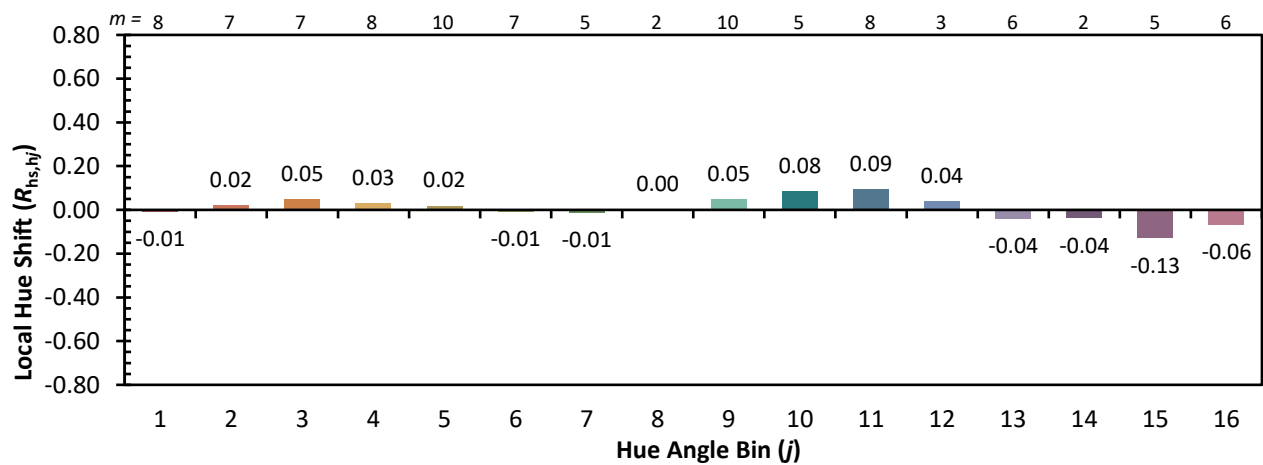
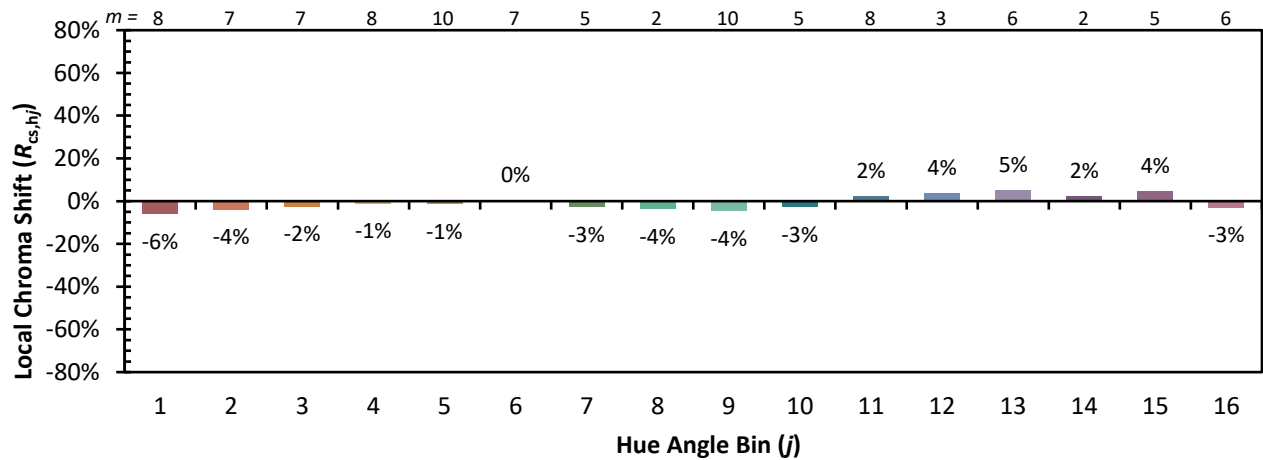


Individual Sample Fidelity Index ($R_{f,i}$)

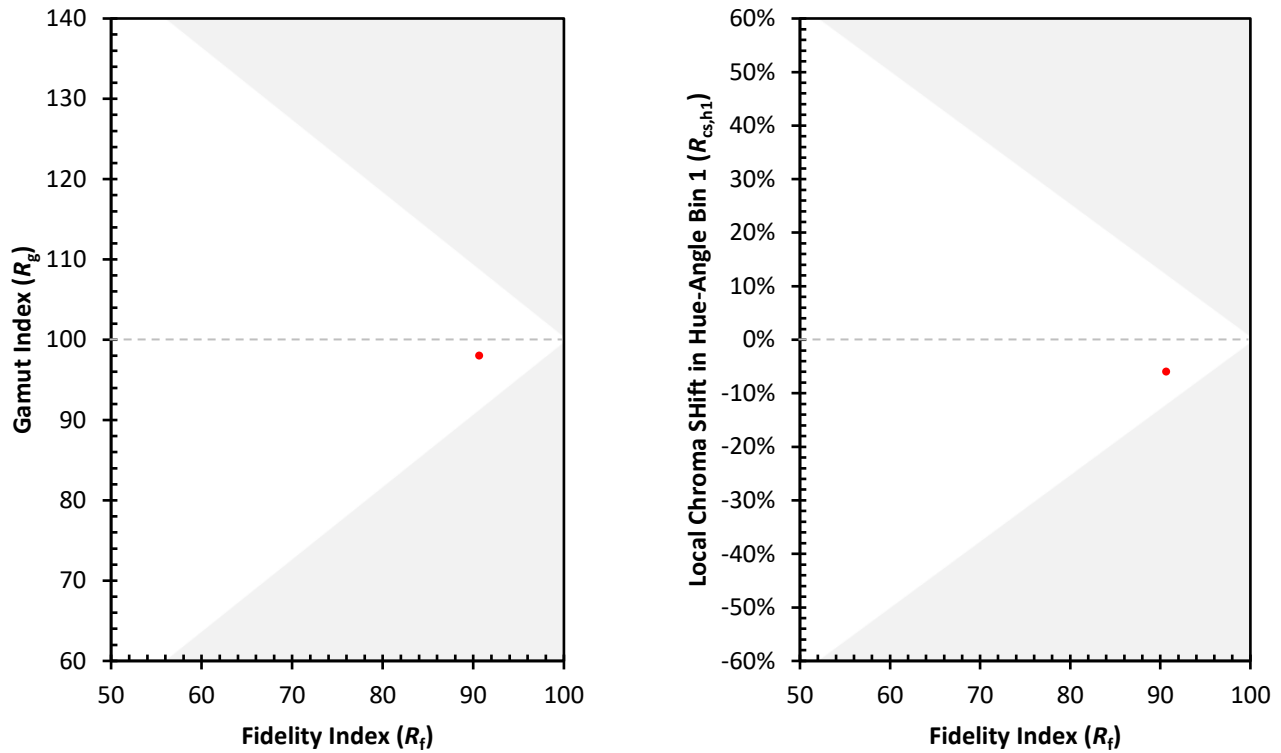
CES01 = 85	CES26 = 92	CES51 = 96	CES76 = 85
CES02 = 60	CES27 = 92	CES52 = 97	CES77 = 88
CES03 = 31	CES28 = 95	CES53 = 94	CES78 = 82
CES04 = 69	CES29 = 95	CES54 = 93	CES79 = 96
CES05 = 48	CES30 = 94	CES55 = 92	CES80 = 93
CES06 = 50	CES31 = 96	CES56 = 92	CES81 = 89
CES07 = 41	CES32 = 91	CES57 = 91	CES82 = 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)