

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: P1049435

Luminaire Tested: **GALN-SA3C-950-U-RBC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1049435
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA3C-950-U-RBC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 1050mA 3xLight Square PACKAGE
90CRI 5000K FIXTURE w/ RIGHT CORNER BACKLIGHT CONTROL
Light Source: (42) 5000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12234 lumens
Efficiency: N/A
Efficacy: 87.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G2

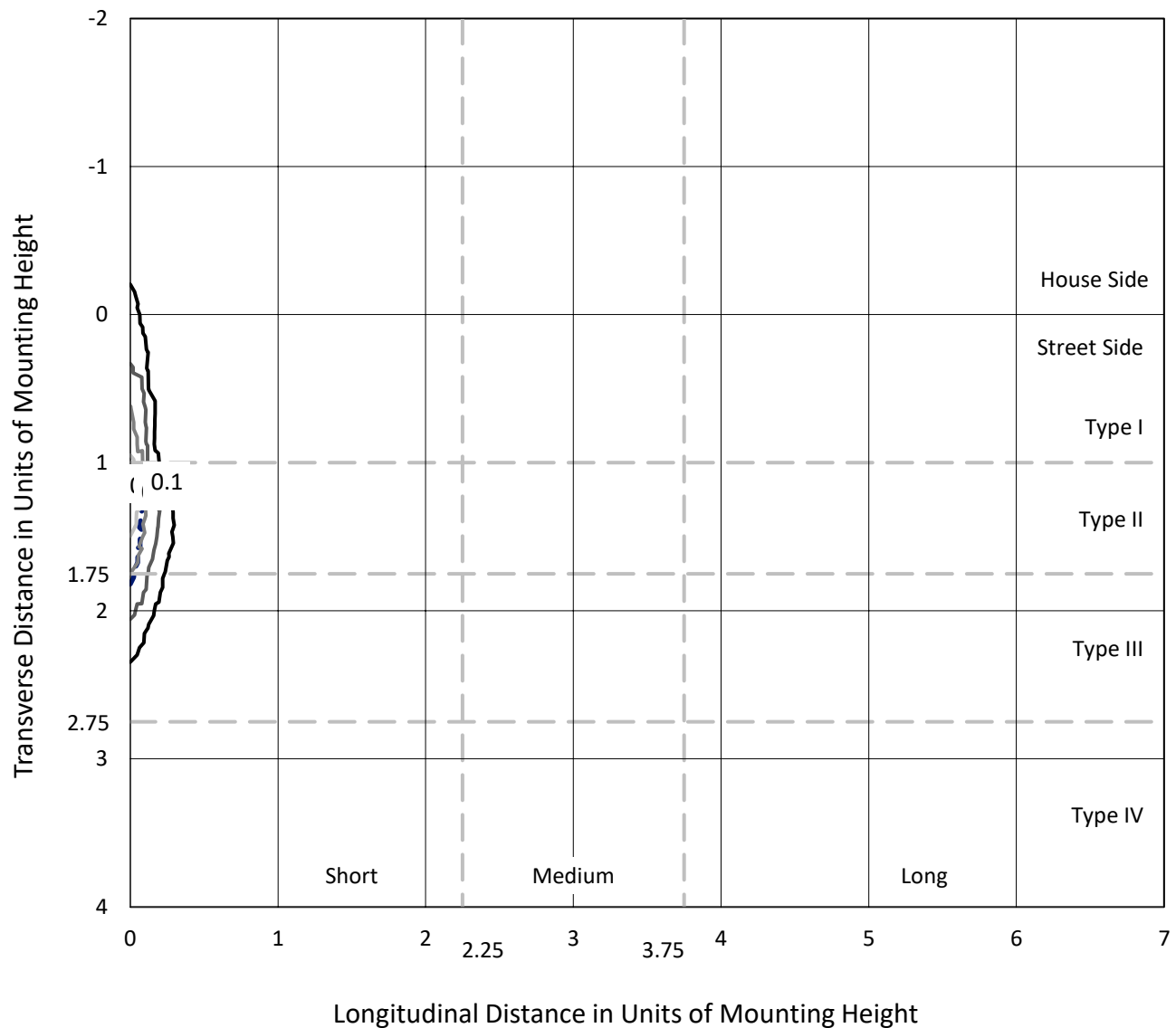
Input Watts (W): 140.4
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

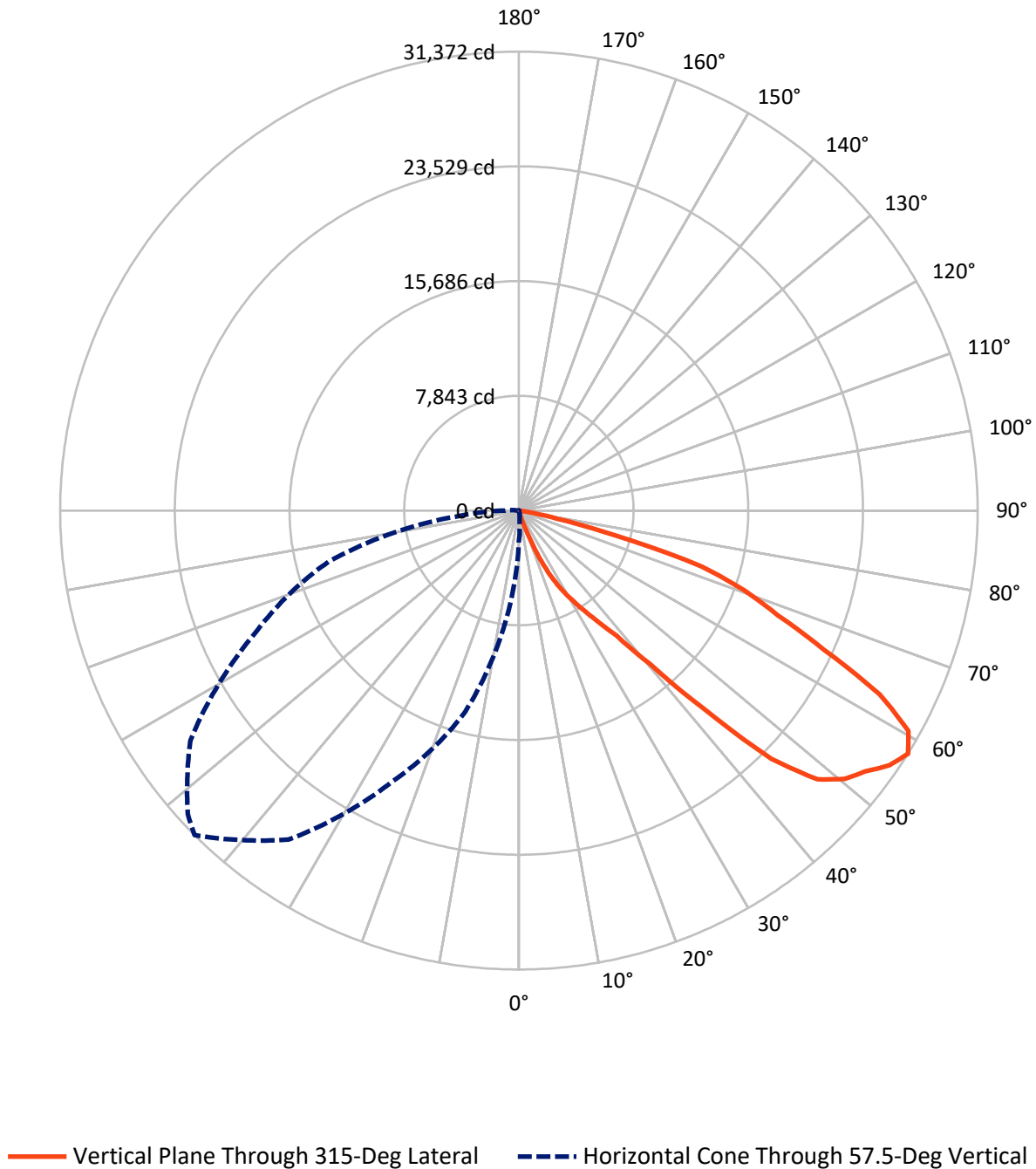
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 1.8 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	61.3	0.0	61.3
	% Fixture	0.5	0.0	0.5
Street Side	Lumens	12172.8	0.0	12172.8
	% Fixture	99.5	0.0	99.5
Total	Lumens	12234.0	0.0	12234.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.8	0.0
10°-20°	26.9	0.2
20°-30°	289.9	2.4
30°-40°	857.4	7.0
40°-50°	2555.2	20.9
50°-60°	4051.6	33.1
60°-70°	3382.1	27.6
70°-80°	1042.9	8.5
80°-90°	23.2	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°	12234.0	100.0
0°-180°	12234.0	100.0



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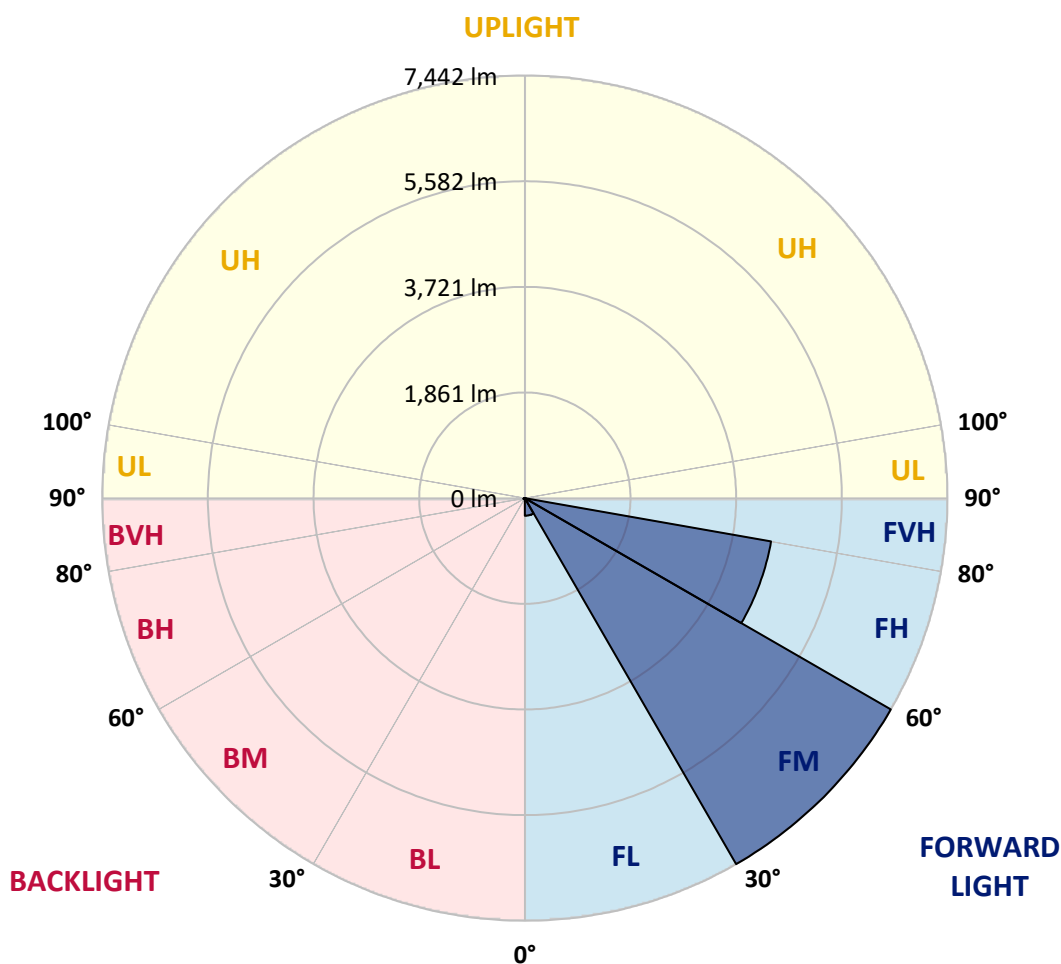
CATALOG NUMBER: GALN-SA3C-950-U-RBC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	310.4	2.5			
FM	(30°-60°)	7442.3	60.8			
FH	(60°-80°)	4402.2	36.0			G2/5000
FVH	(80°-90°)	17.9	0.1			G1/100
BL	(0°-30°)	11.3	0.1	B0/110		
BM	(30°-60°)	21.9	0.2	B0/220		
BH	(60°-80°)	22.9	0.2	B0/110		G0/110
BVH	(80°-90°)	5.3	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°	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
2.5°	49.0	49.0	49.0	49.0	48.1	48.1	47.2	47.2	46.2	46.2
5°	51.8	51.8	50.8	49.9	49.9	49.0	48.1	47.2	47.2	46.2
7.5°	56.4	55.5	54.5	53.6	51.8	50.8	49.0	48.1	47.2	45.3
10°	61.9	60.1	58.2	56.4	54.5	52.7	50.8	49.9	48.1	47.2
12.5°	69.3	66.6	62.9	60.1	58.2	55.5	53.6	51.8	49.0	47.2
15°	75.8	72.1	67.5	63.8	61.0	57.3	54.5	51.8	49.9	47.2
17.5°	85.1	78.6	71.2	66.6	62.9	58.2	53.6	50.8	48.1	44.4
20°	100.8	87.8	74.0	68.4	62.9	57.3	51.8	48.1	45.3	41.6
22.5°	125.7	103.5	81.4	73.0	65.6	57.3	49.9	46.2	42.5	38.8
25°	173.8	134.1	94.3	83.2	72.1	61.0	49.9	45.3	41.6	37.0
27.5°	231.1	172.0	111.9	96.1	81.4	65.6	49.9	44.4	39.8	34.2
30°	289.4	210.8	131.3	110.9	90.6	70.3	49.9	43.5	37.9	31.4
32.5°	344.8	246.8	147.9	123.9	99.8	74.9	50.8	43.5	36.1	28.7
35°	401.2	276.4	150.7	125.7	100.8	74.9	49.9	41.6	34.2	25.9
37.5°	473.4	309.7	145.1	120.2	96.1	71.2	47.2	39.8	32.4	24.0
40°	582.4	365.2	147.9	122.0	96.1	70.3	44.4	37.0	30.5	23.1
42.5°	784.0	472.4	159.9	130.4	100.8	70.3	40.7	34.2	28.7	22.2
45°	1355.3	784.9	214.5	170.1	125.7	81.4	37.0	31.4	26.8	21.3
47.5°	2242.0	1313.7	385.5	297.7	210.8	123.0	36.1	31.4	26.8	21.3
50°	2861.4	1673.4	485.4	373.5	261.6	149.8	37.9	32.4	27.7	22.2
52.5°	2856.8	1699.3	540.8	415.1	290.3	164.6	39.8	34.2	29.6	24.0
55°	2539.6	1545.8	551.0	423.4	296.8	169.2	42.5	37.0	31.4	25.9
57.5°	2122.7	1312.8	502.9	389.2	276.4	162.7	49.0	42.5	37.0	30.5
60°	1678.9	1035.5	392.0	309.7	228.4	146.1	64.7	56.4	49.0	40.7
62.5°	1159.3	750.7	342.1	274.6	208.0	140.5	74.0	65.6	58.2	49.9
65°	820.0	564.9	308.8	251.5	195.1	137.8	80.4	71.2	62.9	53.6
67.5°	613.0	449.3	284.8	235.8	186.8	137.8	88.8	77.7	67.5	56.4
70°	469.7	368.9	267.2	227.4	188.6	148.8	109.1	93.4	78.6	62.9
72.5°	382.7	315.3	246.8	218.2	189.5	160.9	132.2	111.9	91.5	70.3
75°	317.1	270.0	222.8	198.8	175.7	151.6	127.6	109.1	91.5	73.0
77.5°	210.8	192.3	172.9	159.0	145.1	130.4	116.5	100.8	86.0	70.3
80°	74.0	71.2	68.4	74.0	79.5	85.1	90.6	79.5	69.3	58.2
82.5°	11.1	10.2	9.2	10.2	11.1	12.0	12.9	13.9	14.8	15.7
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-SA3C-950-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]



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CATALOG NUMBER: GALN-SA3C-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°	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
0.0	2.5°	45.3	45.3	44.4	44.4	44.4	43.5	43.5	42.5	42.5	42.5
0.0	5°	44.4	44.4	43.5	42.5	41.6	41.6	40.7	39.8	39.8	38.8
0.0	7.5°	43.5	42.5	41.6	40.7	39.8	38.8	37.9	37.0	37.0	36.1
0.0	10°	44.4	42.5	41.6	39.8	38.8	37.9	36.1	35.1	34.2	34.2
0.0	12.5°	42.5	41.6	39.8	37.9	37.0	35.1	34.2	32.4	31.4	31.4
0.0	15°	42.5	40.7	37.9	36.1	34.2	33.3	31.4	29.6	28.7	27.7
0.0	17.5°	39.8	37.9	35.1	33.3	31.4	29.6	27.7	25.9	25.0	24.0
0.0	20°	36.1	34.2	31.4	28.7	26.8	25.0	23.1	21.3	20.3	19.4
0.0	22.5°	32.4	30.5	27.7	25.0	23.1	21.3	18.5	16.6	15.7	13.9
0.0	25°	30.5	27.7	25.0	22.2	19.4	17.6	14.8	12.0	10.2	8.3
0.0	27.5°	25.9	23.1	20.3	17.6	14.8	12.0	9.2	6.5	4.6	3.7
0.0	30°	22.2	19.4	16.6	13.9	10.2	7.4	4.6	0.9	0.9	0.9
0.0	32.5°	18.5	15.7	12.0	9.2	7.4	4.6	2.8	0.0	0.0	0.0
0.0	35°	14.8	12.0	8.3	5.5	4.6	2.8	1.8	0.0	0.0	0.0
0.0	37.5°	12.9	10.2	6.5	2.8	1.8	1.8	0.9	0.0	0.0	0.0
0.0	40°	12.0	8.3	4.6	0.9	0.9	0.9	0.0	0.0	0.0	0.0
0.0	42.5°	12.0	8.3	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	12.0	8.3	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	12.0	8.3	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	12.9	9.2	4.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	14.8	11.1	7.4	3.7	2.8	1.8	0.9	0.0	0.0	0.0
0.0	55°	18.5	16.6	13.9	12.0	9.2	6.5	2.8	0.0	0.0	0.0
0.0	57.5°	24.0	24.0	23.1	22.2	16.6	11.1	5.5	0.0	0.0	0.0
0.0	60°	32.4	32.4	32.4	32.4	24.0	16.6	8.3	0.0	0.0	0.0
0.0	62.5°	39.8	37.9	35.1	33.3	25.0	16.6	8.3	0.0	0.0	0.0
0.0	65°	39.8	36.1	31.4	26.8	20.3	13.9	6.5	0.0	0.0	0.0
0.0	67.5°	37.0	29.6	21.3	13.9	10.2	7.4	3.7	0.0	0.0	0.0
	70°	37.0	25.9	14.8	3.7	2.8	1.8	0.9	0.0	0.0	0.0
	72.5°	37.0	25.0	12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	75°	40.7	27.7	13.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	77.5°	40.7	27.7	13.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	80°	36.1	24.0	12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	82.5°	12.0	8.3	3.7	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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CATALOG NUMBER: GALN-SA3C-950-U-RBC

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°	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
0.0	2.5°	41.6	41.6	41.6	40.7	40.7	40.7	40.7	39.8	39.8	39.8
0.0	5°	37.9	37.9	37.0	37.0	36.1	36.1	35.1	35.1	34.2	34.2
0.0	7.5°	35.1	34.2	34.2	33.3	32.4	32.4	31.4	31.4	30.5	29.6
0.0	10°	32.4	31.4	31.4	30.5	29.6	28.7	28.7	27.7	26.8	25.9
0.0	12.5°	29.6	28.7	27.7	26.8	25.9	25.0	25.0	24.0	23.1	22.2
0.0	15°	25.9	25.0	24.0	23.1	22.2	21.3	21.3	20.3	19.4	18.5
0.0	17.5°	22.2	21.3	21.3	20.3	19.4	18.5	17.6	15.7	14.8	13.9
0.0	20°	16.6	15.7	14.8	13.9	12.9	11.1	10.2	8.3	6.5	5.5
0.0	22.5°	11.1	9.2	8.3	6.5	4.6	3.7	2.8	0.9	0.0	0.0
0.0	25°	3.7	2.8	1.8	0.9	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-SA3C-950-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049435

CATALOG NUMBER: GALN-SA3C-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°	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
0.0	2.5°	38.8	38.8	38.8	37.9	37.9	37.9	37.9	37.9	37.9	37.9
0.0	5°	33.3	33.3	33.3	32.4	32.4	31.4	31.4	31.4	30.5	30.5
0.0	7.5°	28.7	27.7	27.7	26.8	26.8	25.9	25.9	25.9	25.0	25.0
0.0	10°	24.0	23.1	23.1	22.2	22.2	21.3	21.3	20.3	20.3	19.4
0.0	12.5°	21.3	20.3	19.4	18.5	18.5	17.6	16.6	16.6	15.7	14.8
0.0	15°	16.6	15.7	14.8	13.9	12.9	12.0	11.1	11.1	10.2	9.2
0.0	17.5°	11.1	9.2	8.3	7.4	7.4	6.5	5.5	4.6	3.7	2.8
0.0	20°	2.8	1.8	0.9	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

CATALOG NUMBER: GALN-SA3C-950-U-RBC

[illegible]

REPORT NUMBER: P1049435

CATALOG NUMBER: GALN-SA3C-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°	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
0.0	2.5°	37.9	37.0	37.0	37.0	37.9	37.9	37.9	37.9	37.9	37.9
0.0	5°	30.5	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6
0.0	7.5°	25.0	24.0	24.0	24.0	24.0	23.1	23.1	23.1	23.1	23.1
0.0	10°	19.4	18.5	18.5	18.5	18.5	17.6	17.6	17.6	17.6	17.6
0.0	12.5°	13.9	13.9	12.9	12.9	12.9	12.0	12.0	12.0	12.0	11.1
0.0	15°	8.3	7.4	6.5	6.5	6.5	5.5	5.5	5.5	5.5	4.6
0.0	17.5°	1.8	1.8	0.9	0.9	0.9	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: P1049435

CATALOG NUMBER: GALN-SA3C-950-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049435

CATALOG NUMBER: GALN-SA3C-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°	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
0.0	2.5°	38.8	38.8	39.8	39.8	40.7	42.5	43.5	44.4	46.2	48.1
0.0	5°	30.5	31.4	31.4	32.4	33.3	34.2	35.1	36.1	37.9	39.8
0.0	7.5°	24.0	24.0	25.0	25.0	25.9	27.7	28.7	29.6	31.4	34.2
0.0	10°	18.5	18.5	19.4	19.4	20.3	22.2	23.1	24.0	25.9	28.7
0.0	12.5°	12.0	12.9	12.9	13.9	14.8	16.6	17.6	18.5	20.3	22.2
0.0	15°	5.5	6.5	6.5	7.4	8.3	10.2	11.1	12.0	13.9	16.6
0.0	17.5°	0.9	0.9	1.8	1.8	2.8	3.7	4.6	5.5	8.3	10.2
0.0	20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	3.7
0.0	22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
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-SA3C-950-U-RBC

[illegible]

REPORT NUMBER: P1049435

CATALOG NUMBER: GALN-SA3C-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°	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
0.0	2.5°	50.8	52.7	54.5	56.4	58.2	60.1	61.0	62.9	63.8	64.7
0.0	5°	43.5	45.3	48.1	49.9	51.8	53.6	55.5	56.4	57.3	58.2
0.0	7.5°	37.9	39.8	42.5	44.4	46.2	48.1	49.9	51.8	52.7	53.6
0.0	10°	32.4	35.1	37.0	39.8	41.6	43.5	45.3	47.2	49.0	49.9
0.0	12.5°	25.9	28.7	31.4	33.3	36.1	38.8	40.7	42.5	44.4	46.2
0.0	15°	20.3	23.1	25.9	27.7	30.5	33.3	36.1	37.9	39.8	41.6
0.0	17.5°	14.8	17.6	20.3	22.2	25.0	27.7	29.6	32.4	34.2	36.1
0.0	20°	7.4	10.2	12.9	15.7	18.5	21.3	23.1	25.9	27.7	29.6
0.0	22.5°	0.9	3.7	6.5	8.3	11.1	13.9	15.7	18.5	20.3	22.2
0.0	25°	0.0	0.9	2.8	3.7	4.6	6.5	8.3	10.2	12.0	13.9
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	0.9	1.8	3.7	5.5	7.4
0.0	30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8
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	0.9
	82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	1.8
	85°	0.0	0.0	0.0	0.0	0.0	1.8	2.8	4.6	5.5	6.5
	87.5°	0.0	0.9	1.8	2.8	3.7	5.5	7.4	9.2	10.2	11.1
	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: P1049435

CATALOG NUMBER: GALN-SA3C-950-U-RBC

CANDELA DISTRIBUTION (continued):

190°		165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°
53.6	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
64.7	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59.2	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
54.5	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
51.8	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.2	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43.5	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38.8	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31.4	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24.0	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16.6	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.2	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.8	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											
0.9											
3.7											
8.3											
12.0											
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REPORT NUMBER: P1049435

CATALOG NUMBER: GALN-SA3C-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°	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
0.0	2.5°	65.6	65.6	65.6	65.6	64.7	64.7	64.7	63.8	63.8	62.9
0.0	5°	60.1	61.0	61.0	61.0	61.0	61.0	61.0	61.0	60.1	60.1
0.0	7.5°	55.5	56.4	57.3	57.3	58.2	58.2	58.2	57.3	57.3	56.4
0.0	10°	52.7	53.6	53.6	54.5	54.5	54.5	54.5	54.5	54.5	54.5
0.0	12.5°	49.0	49.9	50.8	50.8	51.8	51.8	51.8	51.8	50.8	50.8
0.0	15°	44.4	46.2	47.2	48.1	48.1	49.0	49.0	49.0	49.0	49.0
0.0	17.5°	40.7	42.5	43.5	44.4	44.4	45.3	45.3	46.2	46.2	46.2
0.0	20°	33.3	35.1	36.1	37.9	38.8	39.8	40.7	41.6	41.6	42.5
0.0	22.5°	25.9	27.7	28.7	30.5	31.4	32.4	33.3	34.2	35.1	36.1
0.0	25°	18.5	20.3	21.3	23.1	24.0	25.0	25.9	26.8	26.8	27.7
0.0	27.5°	10.2	12.0	13.9	14.8	16.6	17.6	18.5	19.4	20.3	21.3
0.0	30°	4.6	5.5	6.5	8.3	9.2	10.2	11.1	12.9	13.9	14.8
0.0	32.5°	0.0	0.0	0.9	2.8	3.7	4.6	5.5	6.5	6.5	7.4
0.0	35°	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.8	2.8	3.7
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°	1.8	1.8	1.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
	82.5°	4.6	5.5	6.5	6.5	7.4	7.4	7.4	7.4	6.5	6.5
	85°	9.2	10.2	11.1	11.1	12.0	12.0	12.0	12.0	12.0	12.0
	87.5°	12.9	13.9	14.8	14.8	15.7	15.7	15.7	15.7	15.7	15.7
	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: P1049435

CATALOG NUMBER: GALN-SA3C-950-U-RBC

CANDELA DISTRIBUTION (continued):

217.5°		192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°
53.6	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.9	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60.1	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
56.4	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
54.5	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50.8	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49.0	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
46.2	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41.6	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36.1	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28.7	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22.2	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.7	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.2	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.5	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.8	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.8	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.9	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.9	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.9	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.9	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.9	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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2.8											
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12.0											
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REPORT NUMBER: P1049435

CATALOG NUMBER: GALN-SA3C-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°	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
0.0	2.5°	61.9	61.9	61.0	61.0	61.0	61.0	61.0	61.9	62.9	62.9
0.0	5°	59.2	59.2	58.2	58.2	58.2	59.2	59.2	60.1	61.0	61.9
0.0	7.5°	56.4	55.5	55.5	56.4	56.4	57.3	57.3	58.2	59.2	60.1
0.0	10°	54.5	53.6	53.6	53.6	54.5	54.5	55.5	56.4	57.3	58.2
0.0	12.5°	50.8	50.8	50.8	50.8	51.8	51.8	52.7	53.6	55.5	56.4
0.0	15°	49.0	48.1	48.1	48.1	48.1	49.0	49.0	50.8	52.7	53.6
0.0	17.5°	45.3	45.3	44.4	44.4	45.3	45.3	46.2	48.1	49.9	50.8
0.0	20°	41.6	40.7	39.8	39.8	40.7	40.7	41.6	43.5	45.3	46.2
0.0	22.5°	36.1	35.1	35.1	35.1	35.1	36.1	36.1	37.9	40.7	42.5
0.0	25°	28.7	29.6	29.6	30.5	30.5	31.4	32.4	34.2	37.0	38.8
0.0	27.5°	22.2	23.1	23.1	25.0	25.9	26.8	27.7	30.5	33.3	35.1
0.0	30°	16.6	17.6	18.5	19.4	21.3	23.1	25.0	27.7	30.5	32.4
0.0	32.5°	10.2	12.0	12.9	14.8	16.6	18.5	20.3	23.1	26.8	29.6
0.0	35°	7.4	8.3	10.2	11.1	12.9	14.8	16.6	20.3	23.1	26.8
0.0	37.5°	3.7	5.5	7.4	9.2	11.1	12.9	14.8	18.5	22.2	25.0
0.0	40°	2.8	4.6	5.5	7.4	10.2	12.0	13.9	17.6	21.3	25.0
0.0	42.5°	1.8	2.8	3.7	6.5	8.3	11.1	13.9	17.6	21.3	25.0
0.0	45°	1.8	1.8	2.8	5.5	8.3	12.0	14.8	18.5	21.3	25.0
0.0	47.5°	1.8	2.8	3.7	7.4	9.2	12.0	14.8	17.6	21.3	24.0
0.0	50°	2.8	3.7	4.6	8.3	10.2	12.9	14.8	18.5	21.3	25.0
0.0	52.5°	1.8	2.8	3.7	7.4	10.2	13.9	16.6	20.3	24.0	26.8
0.0	55°	0.9	0.9	0.9	5.5	11.1	15.7	21.3	24.0	27.7	30.5
0.0	57.5°	0.0	0.0	0.0	3.7	11.1	17.6	24.0	27.7	31.4	34.2
0.0	60°	0.0	0.0	0.0	3.7	11.1	17.6	24.0	28.7	33.3	37.9
0.0	62.5°	0.0	0.0	0.0	3.7	9.2	14.8	20.3	27.7	36.1	43.5
0.0	65°	0.0	0.0	0.0	2.8	7.4	12.0	16.6	27.7	38.8	49.0
0.0	67.5°	0.0	0.0	0.0	2.8	7.4	11.1	15.7	27.7	38.8	50.8
	70°	0.0	0.0	0.0	2.8	7.4	12.0	16.6	27.7	38.8	49.9
	72.5°	0.0	0.0	0.0	2.8	8.3	12.9	18.5	27.7	37.0	46.2
	75°	0.0	0.0	0.0	3.7	8.3	13.9	19.4	27.7	36.1	43.5
	77.5°	0.0	0.0	0.0	2.8	8.3	12.9	18.5	26.8	35.1	42.5
	80°	2.8	1.8	1.8	4.6	8.3	12.0	15.7	24.0	33.3	41.6
	82.5°	5.5	5.5	4.6	6.5	8.3	11.1	13.9	21.3	29.6	37.0
	85°	11.1	11.1	10.2	11.1	11.1	12.0	12.9	16.6	20.3	24.0
	87.5°	14.8	14.8	13.9	13.9	13.9	12.9	12.9	12.9	12.9	12.0
	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: P1049435

CATALOG NUMBER: GALN-SA3C-950-U-RBC

CANDELA DISTRIBUTION (continued):

245°		220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°
53.6	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
63.8	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.9	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61.0	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59.2	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.3	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55.5	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.7	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48.1	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44.4	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40.7	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.9	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35.1	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32.4	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29.6	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28.7	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28.7	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28.7	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27.7	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26.8	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27.7	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30.5	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33.3	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.9	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50.8	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60.1	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61.9	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61.0											
55.5											
51.8											
50.8											
49.9											
44.4											
27.7											
12.0											
0.0											
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REPORT NUMBER: P1049435

CATALOG NUMBER: GALN-SA3C-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°	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
0.0	2.5°	64.7	65.6	65.6	66.6	67.5	68.4	68.4	69.3	69.3	69.3
0.0	5°	63.8	65.6	66.6	67.5	68.4	69.3	70.3	71.2	72.1	72.1
0.0	7.5°	62.9	63.8	65.6	66.6	68.4	69.3	71.2	72.1	73.0	74.0
0.0	10°	61.0	62.9	64.7	66.6	68.4	70.3	72.1	74.0	75.8	76.7
0.0	12.5°	59.2	61.9	63.8	65.6	68.4	71.2	73.0	75.8	77.7	79.5
0.0	15°	58.2	60.1	62.9	64.7	68.4	72.1	74.9	78.6	82.3	85.1
0.0	17.5°	55.5	59.2	61.9	64.7	68.4	73.0	76.7	80.4	86.0	91.5
0.0	20°	51.8	54.5	58.2	61.0	66.6	71.2	76.7	81.4	89.7	98.0
0.0	22.5°	48.1	51.8	54.5	58.2	64.7	70.3	76.7	82.3	96.1	109.1
0.0	25°	44.4	49.0	52.7	56.4	63.8	71.2	78.6	86.0	109.1	132.2
0.0	27.5°	42.5	46.2	50.8	54.5	63.8	74.0	83.2	92.5	129.4	165.5
0.0	30°	39.8	44.4	48.1	52.7	64.7	76.7	88.8	100.8	157.2	213.6
0.0	32.5°	37.0	41.6	46.2	50.8	66.6	82.3	97.1	112.8	186.8	259.8
0.0	35°	34.2	39.8	44.4	49.0	69.3	90.6	110.9	131.3	213.6	294.9
0.0	37.5°	33.3	38.8	43.5	48.1	70.3	91.5	113.7	135.0	216.3	297.7
0.0	40°	34.2	38.8	44.4	49.0	67.5	86.0	103.5	122.0	207.1	291.2
0.0	42.5°	34.2	39.8	45.3	50.8	65.6	80.4	95.2	110.0	204.3	298.6
0.0	45°	33.3	38.8	44.4	49.9	63.8	76.7	90.6	103.5	221.0	337.4
0.0	47.5°	32.4	37.9	43.5	49.0	62.9	76.7	90.6	104.5	285.7	466.0
0.0	50°	32.4	37.9	42.5	47.2	63.8	81.4	98.0	114.6	416.0	716.5
0.0	52.5°	34.2	38.8	42.5	46.2	65.6	86.0	105.4	124.8	528.8	931.9
0.0	55°	37.0	39.8	43.5	46.2	70.3	93.4	117.4	140.5	563.0	985.5
0.0	57.5°	40.7	43.5	46.2	49.0	78.6	108.2	136.8	166.4	565.8	964.3
0.0	60°	45.3	49.0	51.8	54.5	86.0	118.3	149.8	181.2	512.2	842.2
0.0	62.5°	55.5	60.1	63.8	68.4	98.9	128.5	159.0	188.6	425.3	662.0
0.0	65°	63.8	67.5	71.2	74.9	104.5	135.0	164.6	194.1	360.6	527.0
0.0	67.5°	65.6	69.3	72.1	75.8	106.3	136.8	166.4	196.9	308.8	419.7
	70°	66.6	71.2	76.7	81.4	112.8	144.2	174.7	206.2	273.7	341.1
	72.5°	63.8	73.0	81.4	89.7	119.3	147.9	177.5	206.2	254.2	302.3
	75°	63.8	76.7	88.8	100.8	123.0	144.2	166.4	187.7	224.7	261.6
	77.5°	67.5	84.1	100.8	117.4	130.4	142.4	155.3	167.3	191.4	215.4
	80°	67.5	85.1	101.7	119.3	124.8	131.3	136.8	142.4	145.1	147.9
	82.5°	58.2	72.1	86.0	99.8	93.4	86.9	80.4	74.0	69.3	63.8
	85°	29.6	32.4	34.2	36.1	33.3	30.5	27.7	25.0	23.1	20.3
	87.5°	12.0	12.0	11.1	11.1	11.1	11.1	10.2	10.2	10.2	10.2
	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1049435

CATALOG NUMBER: GALN-SA3C-950-U-RBC

CANDELA DISTRIBUTION (continued):

272.5°		247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°
53.6	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
69.3	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.1	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
74.9	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
78.6	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.3	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
89.7	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
98.9	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
113.7	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145.1	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
196.9	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
273.7	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
370.7	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
463.2	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
526.0	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
573.2	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
620.4	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
712.8	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
897.7	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1368.3	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2095.9	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2638.6	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2698.7	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2435.2	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2082.0	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1627.1	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1229.6	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
907.9	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
642.5											
478.0											
347.6											
261.6											
147.0											
66.6											
19.4											
9.2											
0.0											
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REPORT NUMBER: P1049435

CATALOG NUMBER: GALN-SA3C-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°	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
0.0	2.5°	69.3	68.4	68.4	67.5	66.6	65.6	64.7	63.8	62.9	61.9
0.0	5°	72.1	72.1	72.1	71.2	71.2	70.3	70.3	69.3	68.4	67.5
0.0	7.5°	74.9	75.8	75.8	76.7	76.7	76.7	76.7	75.8	75.8	75.8
0.0	10°	79.5	80.4	81.4	82.3	83.2	84.1	84.1	85.1	85.1	85.1
0.0	12.5°	85.1	87.8	89.7	92.5	94.3	97.1	98.9	101.7	103.5	105.4
0.0	15°	93.4	98.0	103.5	108.2	112.8	119.3	126.7	133.1	139.6	149.8
0.0	17.5°	105.4	120.2	135.0	148.8	163.6	196.0	228.4	259.8	292.1	339.3
0.0	20°	128.5	172.9	216.3	260.7	304.2	417.9	530.7	644.4	757.2	878.3
0.0	22.5°	180.3	289.4	398.5	507.6	616.7	854.3	1090.9	1328.5	1565.2	1843.5
0.0	25°	261.6	462.3	662.9	862.6	1063.2	1434.8	1807.4	2179.1	2550.7	2912.2
0.0	27.5°	380.9	687.8	994.8	1300.8	1607.7	2111.6	2616.4	3120.2	3624.1	4032.7
0.0	30°	527.9	943.9	1360.0	1776.0	2192.0	2765.2	3338.4	3910.7	4483.9	4930.4
0.0	32.5°	666.6	1176.0	1685.4	2193.9	2703.3	3356.0	4009.6	4662.3	5315.0	5803.2
0.0	35°	757.2	1372.9	1989.6	2605.3	3221.0	3927.3	4633.7	5339.1	6045.4	6602.9
0.0	37.5°	847.8	1558.7	2268.8	2979.7	3689.7	4465.4	5241.1	6016.7	6792.4	7481.2
0.0	40°	949.5	1783.4	2616.4	3450.3	4283.3	5202.2	6120.3	7039.3	7957.3	8929.0
0.0	42.5°	1126.1	2156.0	3186.8	4216.7	5246.6	6462.4	7678.1	8892.9	10108.7	11495.4
0.0	45°	1458.0	2909.5	4361.9	5813.4	7264.8	8875.4	10486.8	12097.3	13707.8	15553.1
0.0	47.5°	2270.6	4267.6	6263.6	8260.5	10256.6	11995.6	13733.7	15472.7	17210.8	19048.7
0.0	50°	3474.3	5798.6	8122.8	10446.1	12770.3	14343.9	15916.5	17490.0	19062.6	20810.8
0.0	52.5°	4345.2	6766.5	9188.8	11610.1	14031.4	15451.4	16872.4	18292.5	19712.5	21346.1
0.0	55°	4410.9	6818.3	9226.7	11634.1	14041.5	15468.1	16894.6	18321.1	19747.7	21479.3
0.0	57.5°	3905.2	6293.2	8680.3	11068.3	13455.4	15079.8	16703.2	18327.6	19951.0	21823.2
0.0	60°	3321.8	5710.7	8098.8	10487.7	12875.7	14746.9	16619.1	18490.3	20361.5	22115.3
0.0	62.5°	2591.4	5048.8	7507.1	9964.4	12421.8	14321.7	16221.6	18120.5	20020.4	21336.0
0.0	65°	1931.3	4317.5	6703.7	9088.9	11475.1	12996.8	14518.6	16039.4	17561.2	18375.7
0.0	67.5°	1396.0	3454.0	5511.0	7569.0	9626.1	10715.1	11804.2	12892.4	13981.5	14604.6
	70°	943.9	2369.5	3794.2	5219.8	6644.5	7539.4	8435.3	9330.2	10225.1	11066.5
	72.5°	653.6	1454.3	2255.8	3056.4	3857.1	4757.6	5657.1	6557.6	7457.1	8347.5
	75°	433.6	797.9	1163.0	1527.3	1891.6	2558.1	3225.6	3892.2	4558.8	5089.5
	77.5°	307.9	417.0	527.0	636.1	745.2	870.0	995.7	1120.5	1245.3	1434.8
	80°	146.1	159.9	173.8	186.8	200.6	245.9	291.2	336.5	381.8	429.9
	82.5°	69.3	74.9	80.4	85.1	90.6	95.2	99.8	104.5	109.1	104.5
	85°	18.5	18.5	19.4	19.4	19.4	19.4	19.4	19.4	19.4	18.5
	87.5°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	7.4	7.4	6.5
	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: P1049435

CATALOG NUMBER: GALN-SA3C-950-U-RBC

CANDELA DISTRIBUTION (continued):

300°		275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°
53.6	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61.0	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66.6	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
74.9	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
86.0	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
106.3	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160.9	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
385.5	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1000.3	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2121.8	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3273.7	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4441.4	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5377.9	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6292.3	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7160.4	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8170.9	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9900.6	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12882.2	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17398.5	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20886.7	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22559.1	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22979.8	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23211.8	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23695.3	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23868.2	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22652.5	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19191.1	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15228.6	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11906.8											
9237.8											
5620.1											
1624.4											
478.0											
98.9											
17.6											
6.5											
0.0											
0.0											
0.0											
0.0											
0.0											
0.0											
0.0											
0.0											
0.0											
0.0											
0.0											

REPORT NUMBER: P1049435

CATALOG NUMBER: GALN-SA3C-950-U-RBC

CANDELA DISTRIBUTION (continued):

300°		302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°
0.0	0°	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
0.0	2.5°	60.1	59.2	58.2	57.3	56.4	54.5	54.5	53.6	53.6
0.0	5°	65.6	64.7	63.8	62.9	62.9	61.9	61.0	61.0	60.1
0.0	7.5°	74.9	74.0	73.0	72.1	72.1	71.2	71.2	70.3	70.3
0.0	10°	86.0	86.0	86.0	86.0	86.0	85.1	85.1	85.1	84.1
0.0	12.5°	108.2	109.1	110.9	112.8	115.6	115.6	115.6	114.6	114.6
0.0	15°	171.0	181.2	188.6	196.0	202.5	217.3	215.4	212.6	210.8
0.0	17.5°	432.7	478.9	503.9	527.9	552.9	621.3	610.2	599.1	588.9
0.0	20°	1121.4	1242.5	1323.0	1403.4	1484.8	1613.3	1581.8	1550.4	1519.0
0.0	22.5°	2399.1	2677.4	2798.5	2919.6	3039.8	3195.1	3094.4	2993.6	2893.7
0.0	25°	3634.3	3995.8	4200.1	4404.4	4607.8	4696.5	4565.3	4433.1	4301.8
0.0	27.5°	4850.0	5258.6	5438.9	5618.3	5798.6	5984.4	5821.7	5658.0	5495.3
0.0	30°	5824.4	6271.0	6466.1	6660.2	6855.3	6984.7	6816.5	6647.3	6479.0
0.0	32.5°	6780.4	7268.5	7482.1	7695.7	7908.3	8094.1	7887.0	7679.0	7471.9
0.0	35°	7716.9	8274.4	8568.4	8862.4	9156.4	9329.3	9083.4	8836.5	8590.6
0.0	37.5°	8859.6	9548.4	9877.5	10206.7	10535.8	10851.0	10580.2	10308.3	10037.5
0.0	40°	10872.3	11844.0	12348.8	12854.5	13359.3	13766.0	13424.0	13081.9	12739.8
0.0	42.5°	14269.0	15655.7	16381.5	17106.3	17832.1	18467.2	18107.6	17747.9	17388.3
0.0	45°	19243.8	21089.1	21973.9	22857.7	23742.5	24206.6	23688.9	23170.2	22652.5
0.0	47.5°	22723.7	24561.6	25349.3	26137.0	26924.7	27454.4	26821.1	26187.8	25555.5
0.0	50°	24306.4	26054.7	26845.2	27634.7	28425.2	28845.8	28114.5	27382.3	26651.0
0.0	52.5°	24612.5	26246.1	27189.1	28133.0	29076.0	29638.1	28774.6	27910.2	27046.7
0.0	55°	24943.4	26675.1	27768.8	28863.4	29957.1	30735.5	29759.2	28782.0	27805.7
0.0	57.5°	25566.6	27438.7	28529.6	29619.6	30710.6	31371.6	30392.5	29412.5	28433.5
0.0	60°	25622.0	27374.9	28312.4	29250.8	30188.2	30604.2	29667.7	28730.2	27793.7
0.0	62.5°	23968.1	25283.7	25934.5	26585.4	27236.2	27688.3	26711.1	25733.0	24755.8
0.0	65°	20005.6	20820.1	21338.7	21857.4	22376.1	22915.0	22020.1	21125.2	20230.3
0.0	67.5°	15851.7	16474.9	17158.1	17841.3	18524.5	19100.5	18384.0	17666.6	16950.1
	70°	12748.1	13588.5	14356.8	15125.1	15893.3	16364.9	15645.6	14925.4	14206.1
	72.5°	10128.1	11018.4	11660.0	12300.7	12942.3	13057.9	12529.0	12000.2	11472.3
	75°	6149.9	6680.6	6693.5	6705.5	6718.5	6828.5	6390.3	5952.0	5514.7
	77.5°	1813.9	2003.4	2159.7	2315.0	2471.2	2659.8	2499.0	2337.2	2176.3
	80°	525.1	573.2	613.9	653.6	694.3	670.3	632.4	594.5	556.6
	82.5°	94.3	88.8	87.8	86.9	86.9	82.3	74.9	67.5	60.1
	85°	16.6	15.7	14.8	13.9	12.9	12.0	10.2	9.2	7.4
	87.5°	5.5	4.6	3.7	2.8	2.8	0.9	0.9	0.9	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: P1049435

CATALOG NUMBER: GALN-SA3C-950-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]



REPORT NUMBER: P1049435

CATALOG NUMBER: GALN-SA3C-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°	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
0.0	0.0	2.5°	52.7	51.8	51.8	51.8	51.8	50.8	50.8	50.8	50.8
0.0	0.0	5°	58.2	58.2	57.3	57.3	56.4	56.4	55.5	55.5	54.5
0.0	0.0	7.5°	68.4	67.5	66.6	65.6	64.7	62.9	61.9	61.0	61.0
0.0	0.0	10°	82.3	80.4	79.5	77.7	76.7	74.9	73.0	71.2	69.3
0.0	0.0	12.5°	108.2	104.5	101.7	98.0	94.3	91.5	87.8	85.1	81.4
0.0	0.0	15°	187.7	178.4	168.3	156.2	143.3	131.3	118.3	110.9	102.6
0.0	0.0	17.5°	479.8	431.7	382.7	343.0	303.2	264.4	224.7	196.0	167.3
0.0	0.0	20°	1221.3	1088.2	955.0	823.7	691.5	560.3	428.1	361.5	294.9
0.0	0.0	22.5°	2298.3	2051.5	1803.7	1564.3	1323.9	1084.5	845.0	694.3	544.5
0.0	0.0	25°	3547.4	3236.7	2926.1	2532.2	2137.5	1743.6	1349.8	1104.8	859.8
0.0	0.0	27.5°	4616.1	4258.3	3900.5	3421.6	2942.7	2463.8	1984.9	1619.8	1255.5
0.0	0.0	30°	5541.5	5156.9	4772.3	4214.9	3657.4	3099.9	2542.4	2085.7	1629.0
0.0	0.0	32.5°	6344.0	5883.6	5423.2	4848.2	4273.1	3698.1	3123.0	2562.8	2002.5
0.0	0.0	35°	7269.5	6732.3	6194.3	5556.3	4917.5	4279.6	3641.7	3009.3	2376.0
0.0	0.0	37.5°	8445.5	7786.3	7126.2	6415.2	5704.3	4994.2	4283.3	3560.3	2837.3
0.0	0.0	40°	10696.6	9846.1	8995.5	8092.3	7188.1	6284.9	5381.6	4494.1	3606.5
0.0	0.0	42.5°	14730.3	13581.1	12432.0	11230.1	10027.3	8825.4	7622.6	6370.8	5118.1
0.0	0.0	45°	19282.6	17857.0	16430.5	15081.6	13731.8	12383.0	11034.1	9316.3	7598.6
0.0	0.0	47.5°	21842.6	20303.3	18764.0	17487.2	16210.5	14933.7	13656.9	11805.1	9953.3
0.0	0.0	50°	22784.7	21217.6	19650.6	18475.5	17299.5	16124.5	14948.5	13093.9	11238.4
0.0	0.0	52.5°	22985.3	21386.8	19788.3	18605.9	17423.4	16241.9	15059.4	13216.9	11374.3
0.0	0.0	55°	23397.6	21682.7	19966.8	18618.8	17270.9	15922.9	14575.0	12702.8	10830.7
0.0	0.0	57.5°	23936.6	22178.2	20419.8	18884.2	17348.5	15813.8	14278.2	12231.3	10184.5
0.0	0.0	60°	23795.2	22265.1	20734.1	19089.4	17443.8	15799.0	14153.4	11902.2	9650.1
0.0	0.0	62.5°	21339.7	20121.2	18901.7	17549.2	16195.7	14843.1	13490.5	11172.8	8855.0
0.0	0.0	65°	17555.6	16666.2	15776.9	14688.7	13599.6	12511.5	11423.3	9345.0	7267.6
0.0	0.0	67.5°	14228.3	13226.1	12223.0	11355.8	10487.7	9620.5	8752.4	7116.9	5481.5
		70°	11304.1	10214.0	9123.1	8276.3	7428.5	6581.6	5734.8	4647.5	3561.2
		72.5°	8977.0	7994.3	7011.5	6108.3	5204.1	4300.8	3396.7	2754.1	2111.6
		75°	4290.7	3897.8	3504.8	3032.4	2560.0	2087.6	1615.1	1335.0	1055.8
		77.5°	1590.2	1378.5	1165.8	973.5	781.2	589.8	397.5	364.3	331.0
		80°	411.4	358.7	305.1	267.2	228.4	190.5	152.5	137.8	123.9
		82.5°	47.2	43.5	40.7	38.8	36.1	34.2	31.4	28.7	25.9
		85°	2.8	1.8	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: P1049435

CATALOG NUMBER: GALN-SA3C-950-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]



REPORT NUMBER: P1049435

CATALOG NUMBER: GALN-SA3C-950-U-RBC

CANDELA DISTRIBUTION (continued):

352.5°	355°		357.5°	360°
0.0	0.0	0°	53.6	53.6
0.0	0.0	2.5°	49.9	49.0
0.0	0.0	5°	52.7	51.8
0.0	0.0	7.5°	58.2	56.4
0.0	0.0	10°	63.8	61.9
0.0	0.0	12.5°	72.1	69.3
0.0	0.0	15°	81.4	75.8
0.0	0.0	17.5°	97.1	85.1
0.0	0.0	20°	131.3	100.8
0.0	0.0	22.5°	184.9	125.7
0.0	0.0	25°	271.8	173.8
0.0	0.0	27.5°	378.1	231.1
0.0	0.0	30°	502.9	289.4
0.0	0.0	32.5°	613.0	344.8
0.0	0.0	35°	756.3	401.2
0.0	0.0	37.5°	932.8	473.4
0.0	0.0	40°	1206.5	582.4
0.0	0.0	42.5°	1699.3	784.0
0.0	0.0	45°	2759.7	1355.3
0.0	0.0	47.5°	4246.3	2242.0
0.0	0.0	50°	5194.9	2861.4
0.0	0.0	52.5°	5272.5	2856.8
0.0	0.0	55°	4813.0	2539.6
0.0	0.0	57.5°	4106.7	2122.7
0.0	0.0	60°	3413.3	1678.9
0.0	0.0	62.5°	2689.4	1159.3
0.0	0.0	65°	1965.5	820.0
0.0	0.0	67.5°	1411.7	613.0
		70°	928.2	469.7
		72.5°	604.6	382.7
		75°	406.8	317.1
		77.5°	237.6	210.8
		80°	84.1	74.0
		82.5°	15.7	11.1
		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: P1049435

CATALOG NUMBER: GALN-SA3C-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

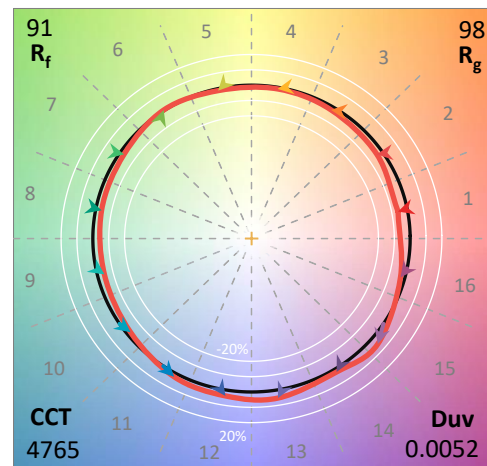
Test Information

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

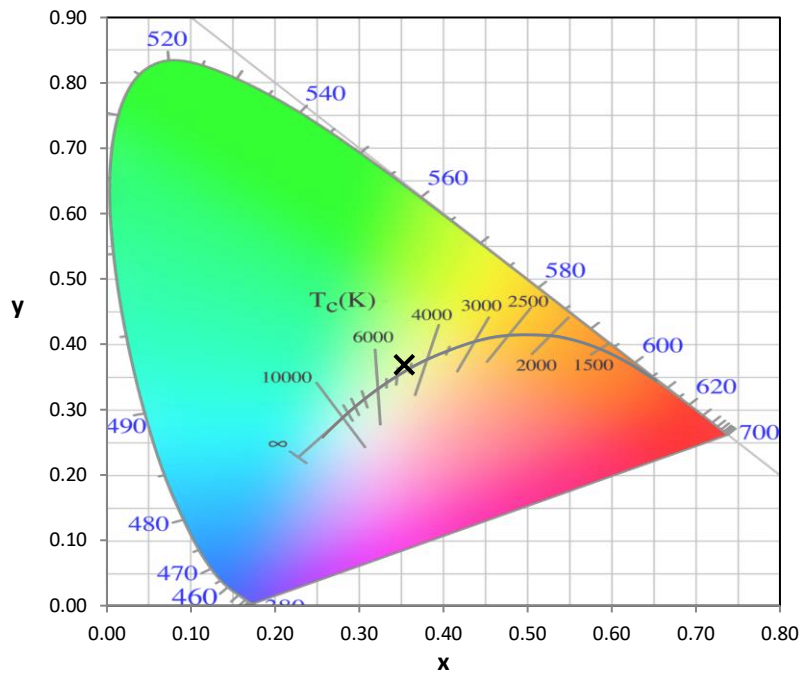
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-17

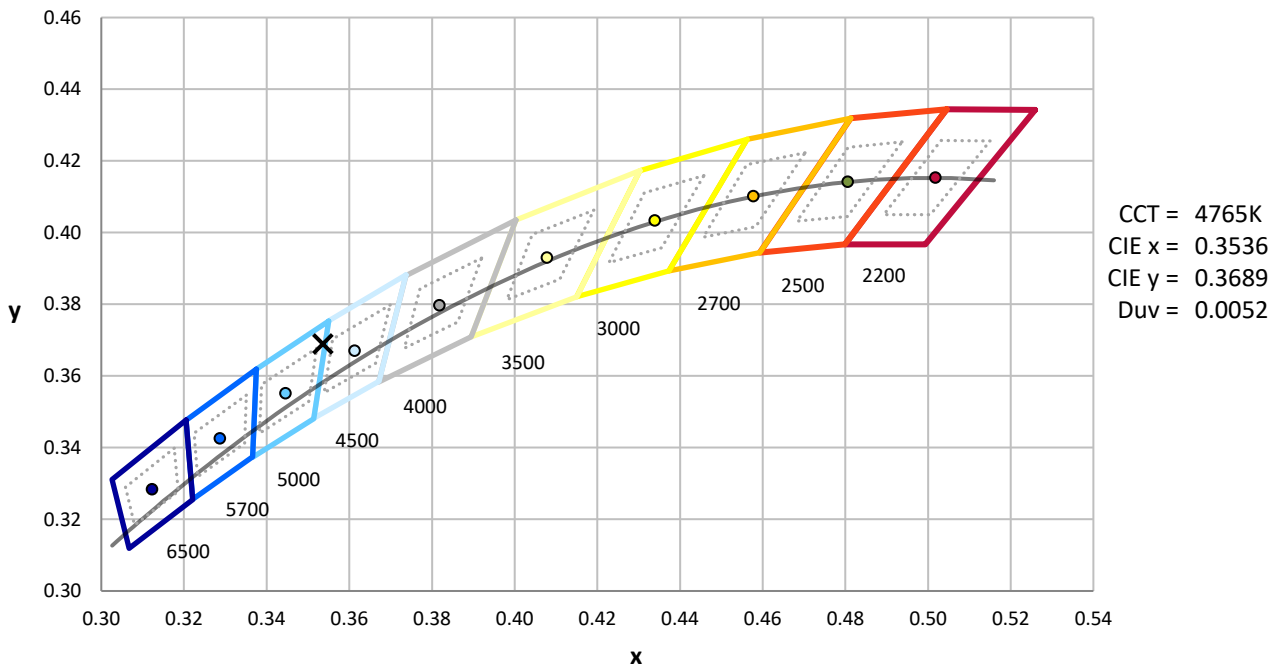
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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



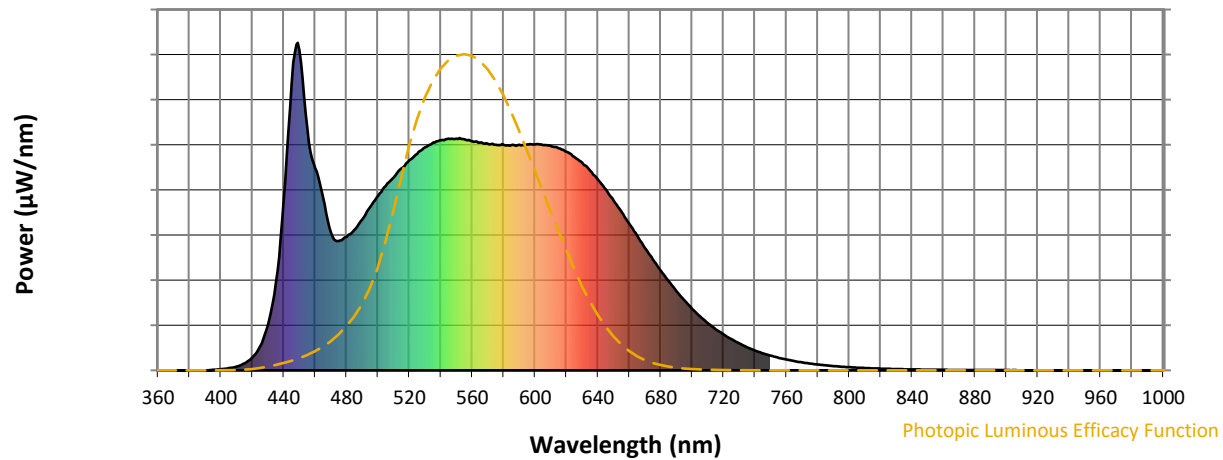
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 5000K 7-step quadrangle

REPORT NUMBER: SP1-2407-184-17

Photopic Flux vs. Wavelength

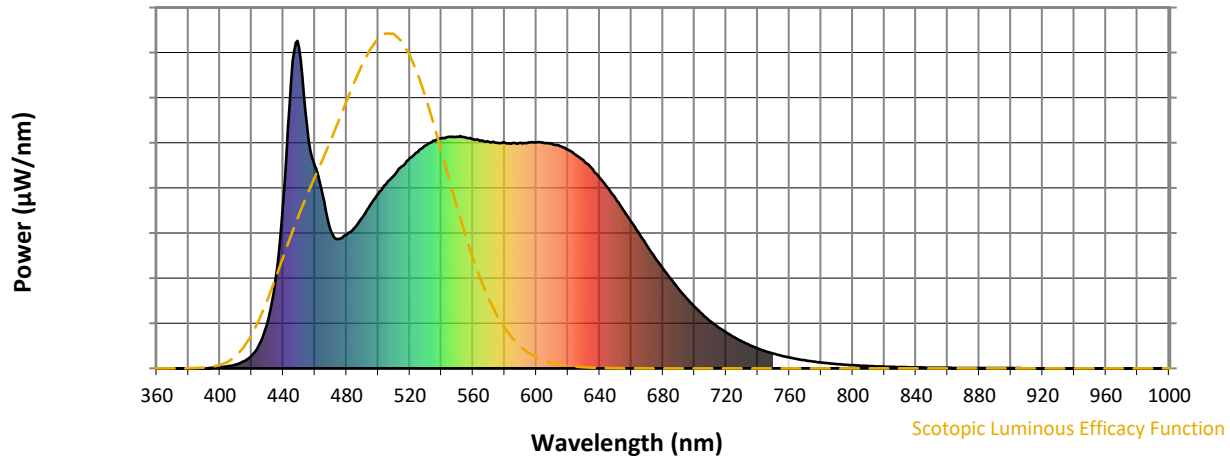


Photopic Lumens: NR

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



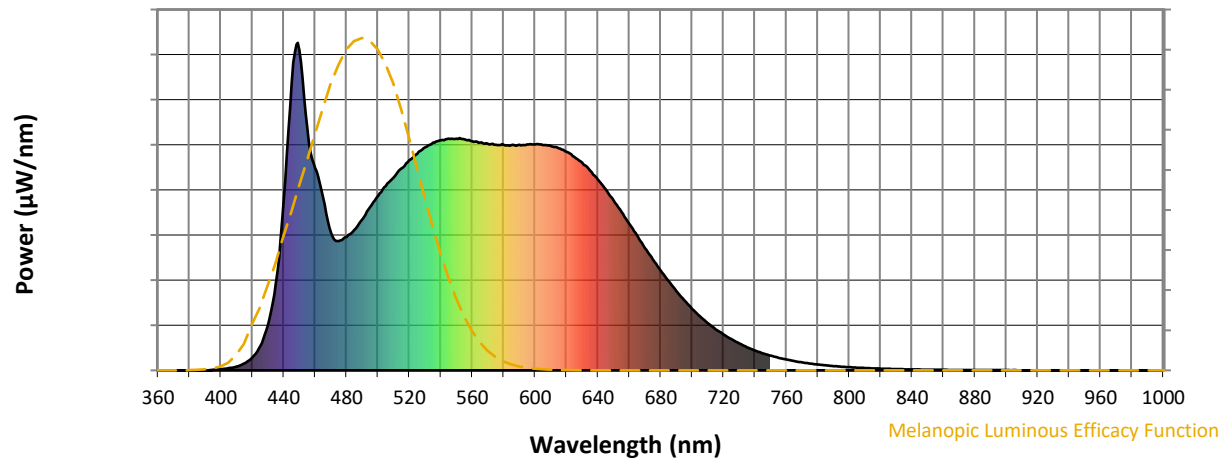
Scotopic Lumens: NR

S/P: 1.99

λ (nm)	Power $\text{W}^\wedge/\text{nm}$	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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Melanopic Flux vs. Wavelength


Melanopic Lumens: NR
M/P: 4.22

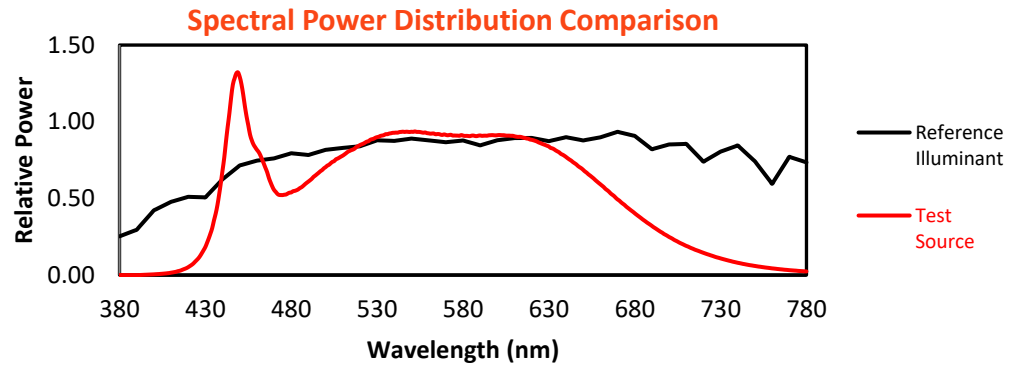
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	462	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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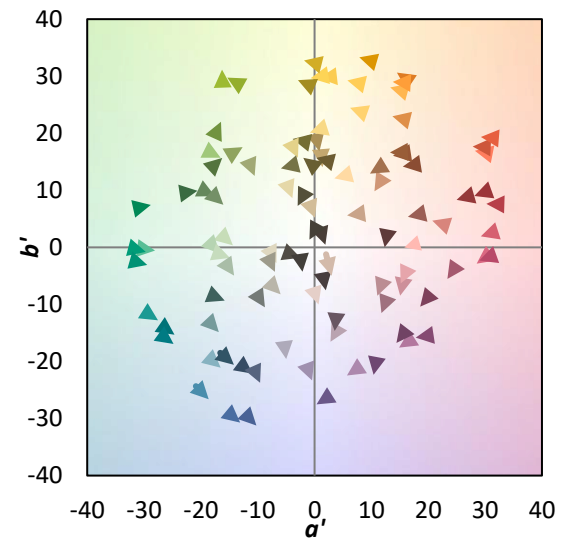
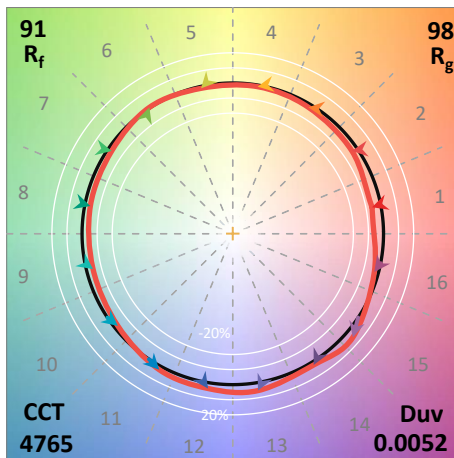
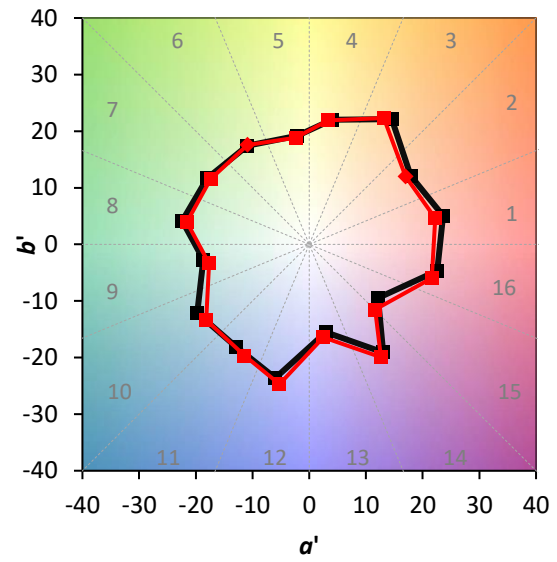
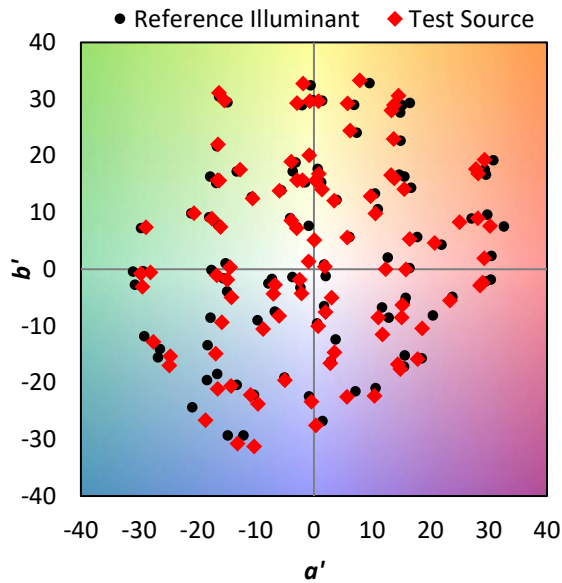
TM-30-18

Summary

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

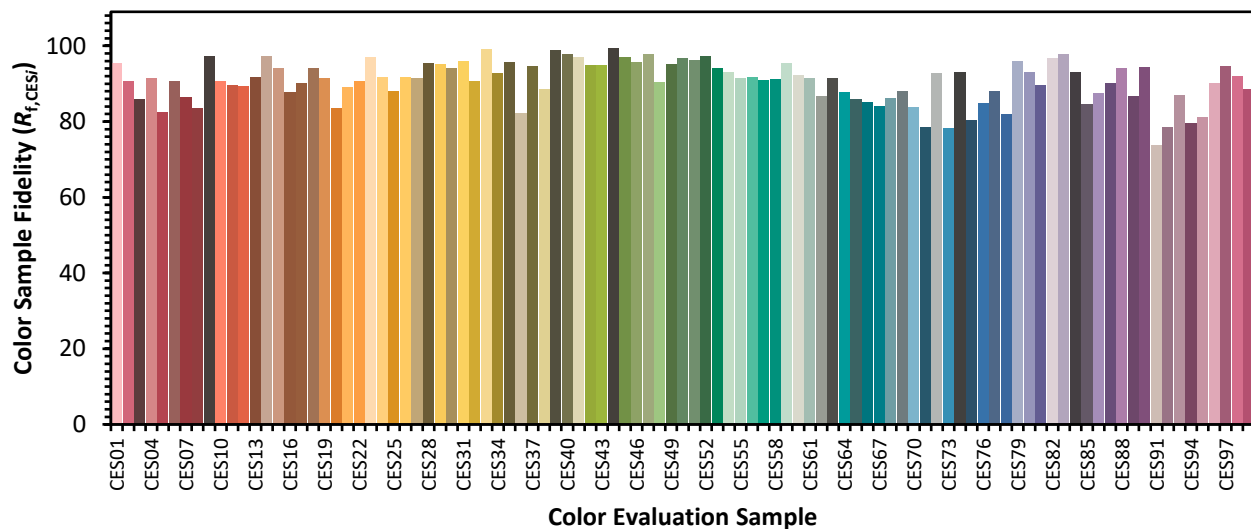


Color Vector Graphics

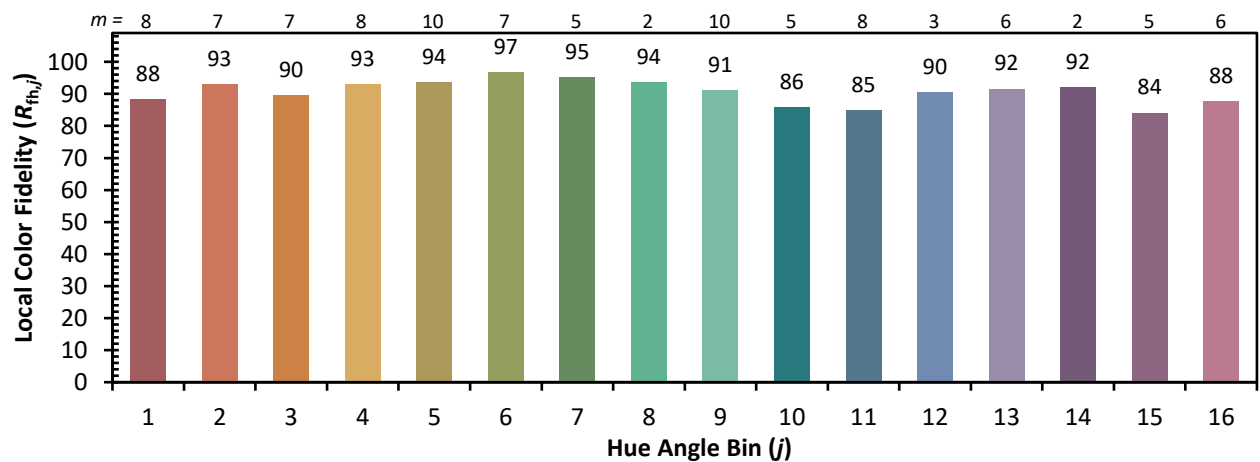
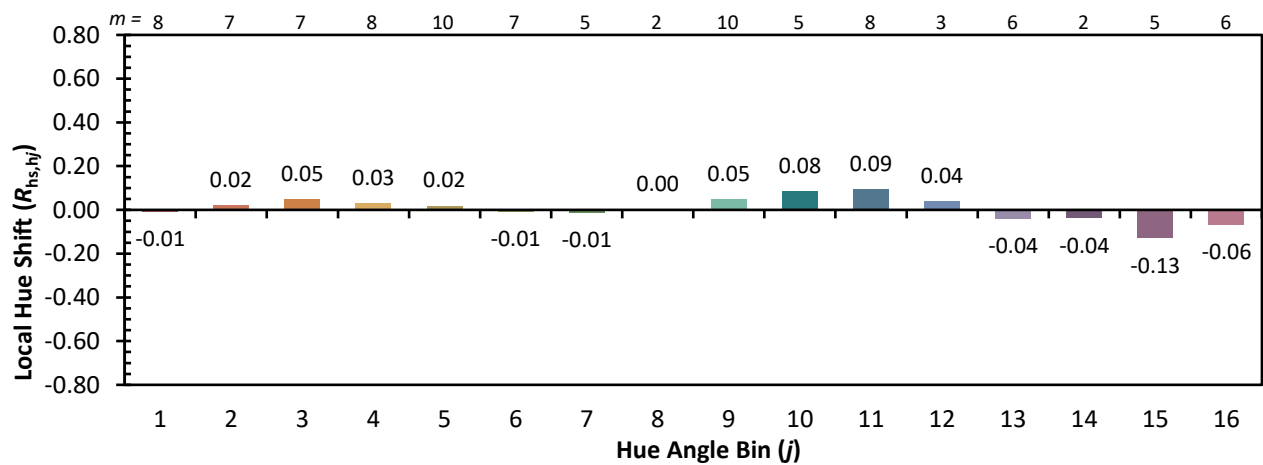
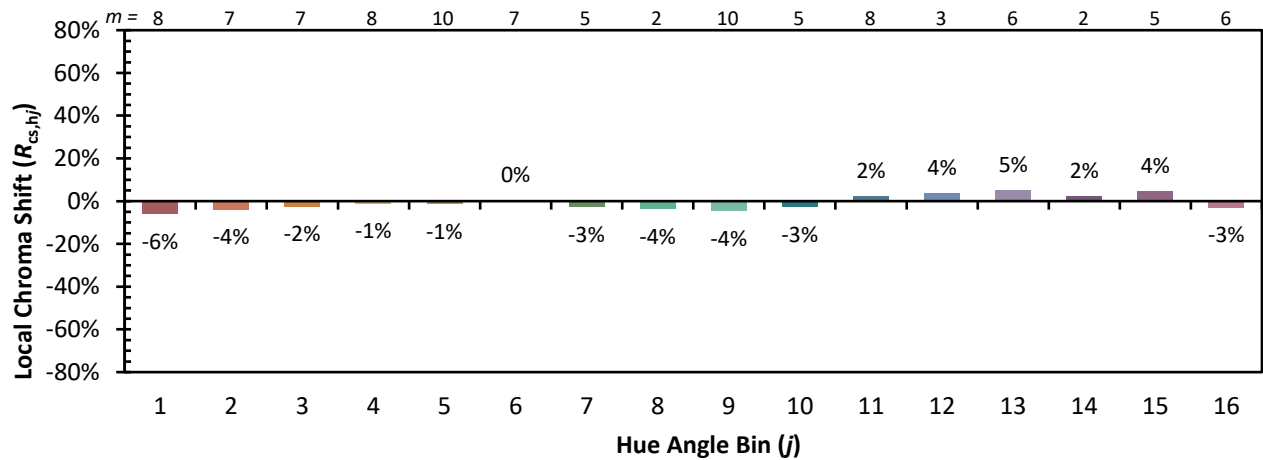


Individual Sample Fidelity Index ($R_{f,i}$)

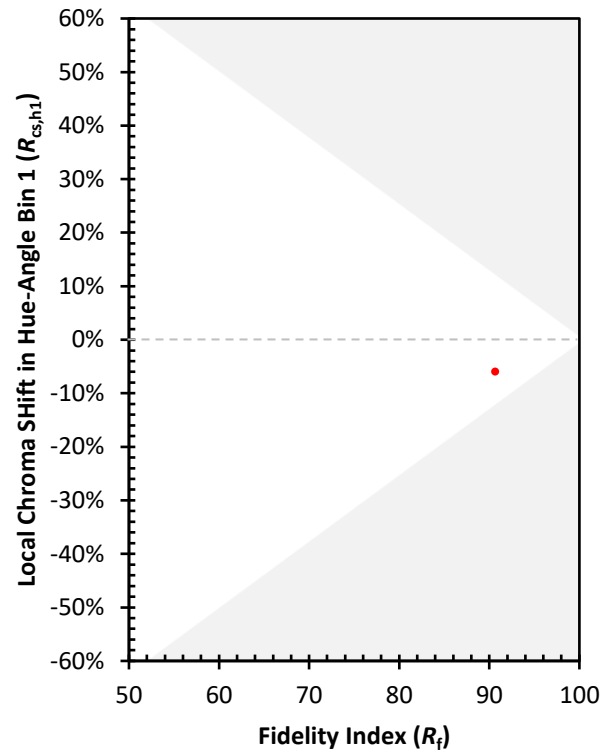
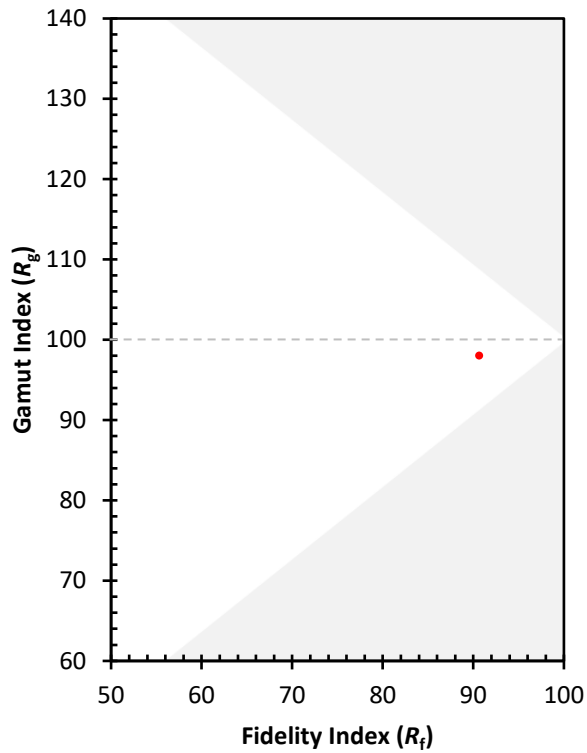
CES01 = 85	CES26 = 92	CES51 = 96	CES76 = 85
CES02 = 60	CES27 = 92	CES52 = 97	CES77 = 88
CES03 = 31	CES28 = 95	CES53 = 94	CES78 = 82
CES04 = 69	CES29 = 95	CES54 = 93	CES79 = 96
CES05 = 48	CES30 = 94	CES55 = 92	CES80 = 93
CES06 = 50	CES31 = 96	CES56 = 92	CES81 = 89
CES07 = 41	CES32 = 91	CES57 = 91	CES82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