

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: P1049275

Luminaire Tested: **GALN-SA8C-850-U-RBC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1049275
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA8C-850-U-RBC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 1050mA 8xLight Square PACKAGE
80CRI 5000K FIXTURE w/ RIGHT CORNER BACKLIGHT CONTROL
Light Source: (112) 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 36655.6 lumens
Efficiency: N/A
Efficacy: 98.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G5

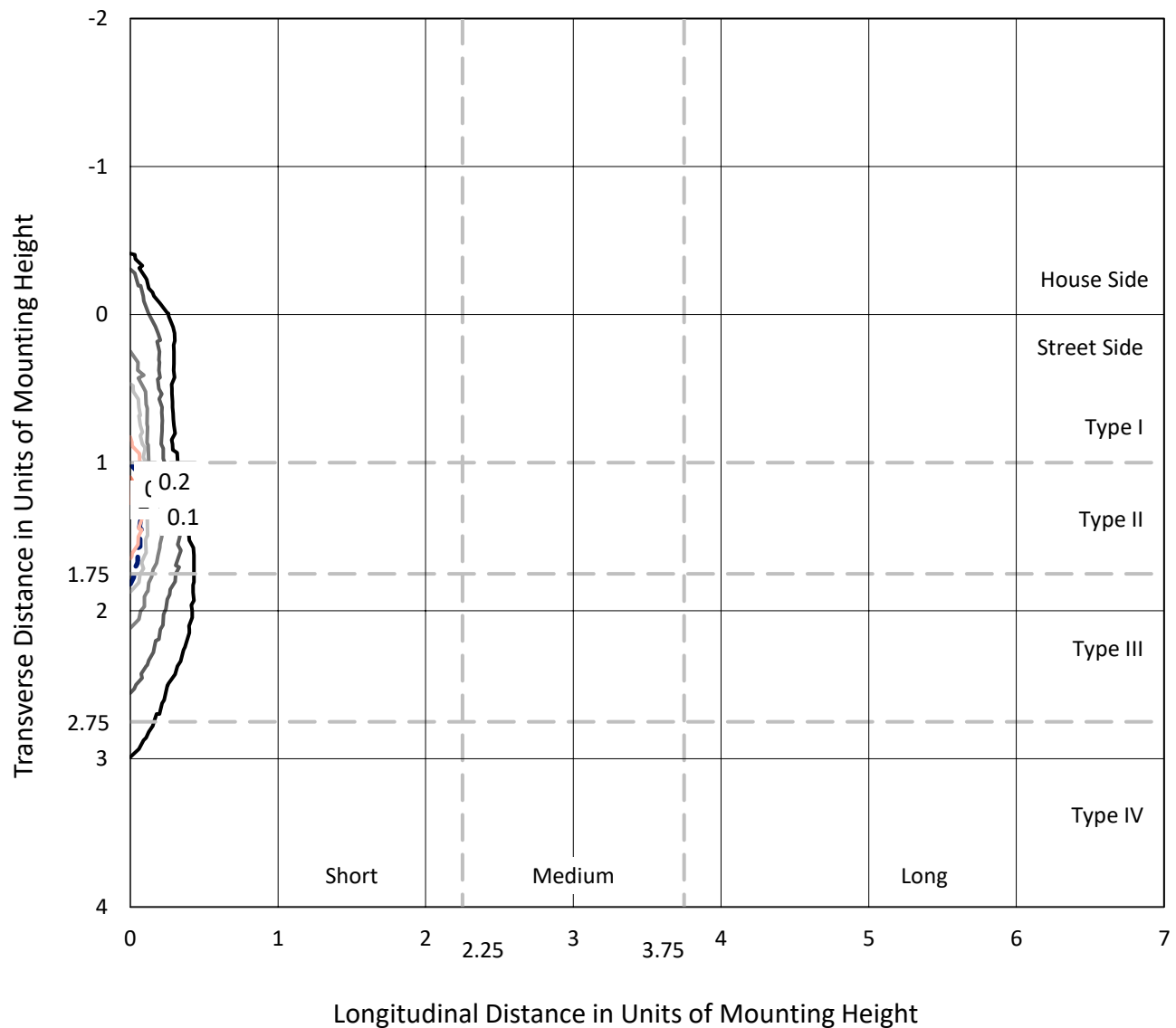
Input Watts (W): 372.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

REPORT NUMBER: P1049275

CATALOG NUMBER: GALN-SA8C-850-U-RBC

Iso-Footcandle Lines of Horizontal Illumination

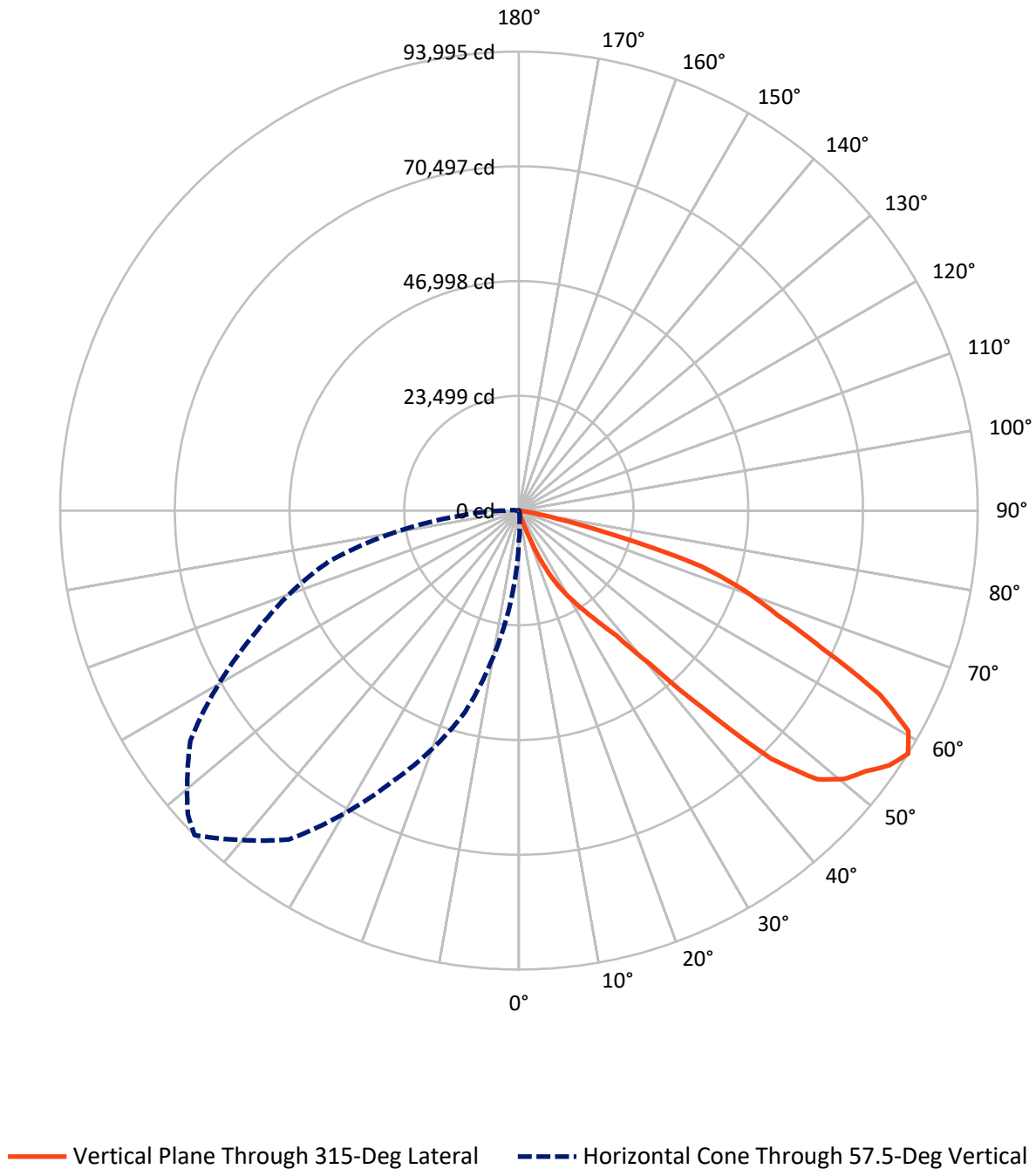
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.4 fc
 Type III - Short - N/A

REPORT NUMBER: P1049275
CATALOG NUMBER: GALN-SA8C-850-U-RBC

Luminous Intensity Polar Plot



REPORT NUMBER: P1049275

CATALOG NUMBER: GALN-SA8C-850-U-RBC

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	183.6	0.0	183.6
	% Fixture	0.5	0.0	0.5
Street Side	Lumens	36472.0	0.0	36472.0
	% Fixture	99.5	0.0	99.5
Total	Lumens	36655.6	0.0	36655.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.4	0.0
10°-20°	80.5	0.2
20°-30°	868.7	2.4
30°-40°	2568.9	7.0
40°-50°	7655.9	20.9
50°-60°	12139.5	33.1
60°-70°	10133.5	27.6
70°-80°	3124.8	8.5
80°-90°	69.5	0.2
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	36655.6	100.0
0°-180°	36655.6	100.0



REPORT NUMBER: P1049275

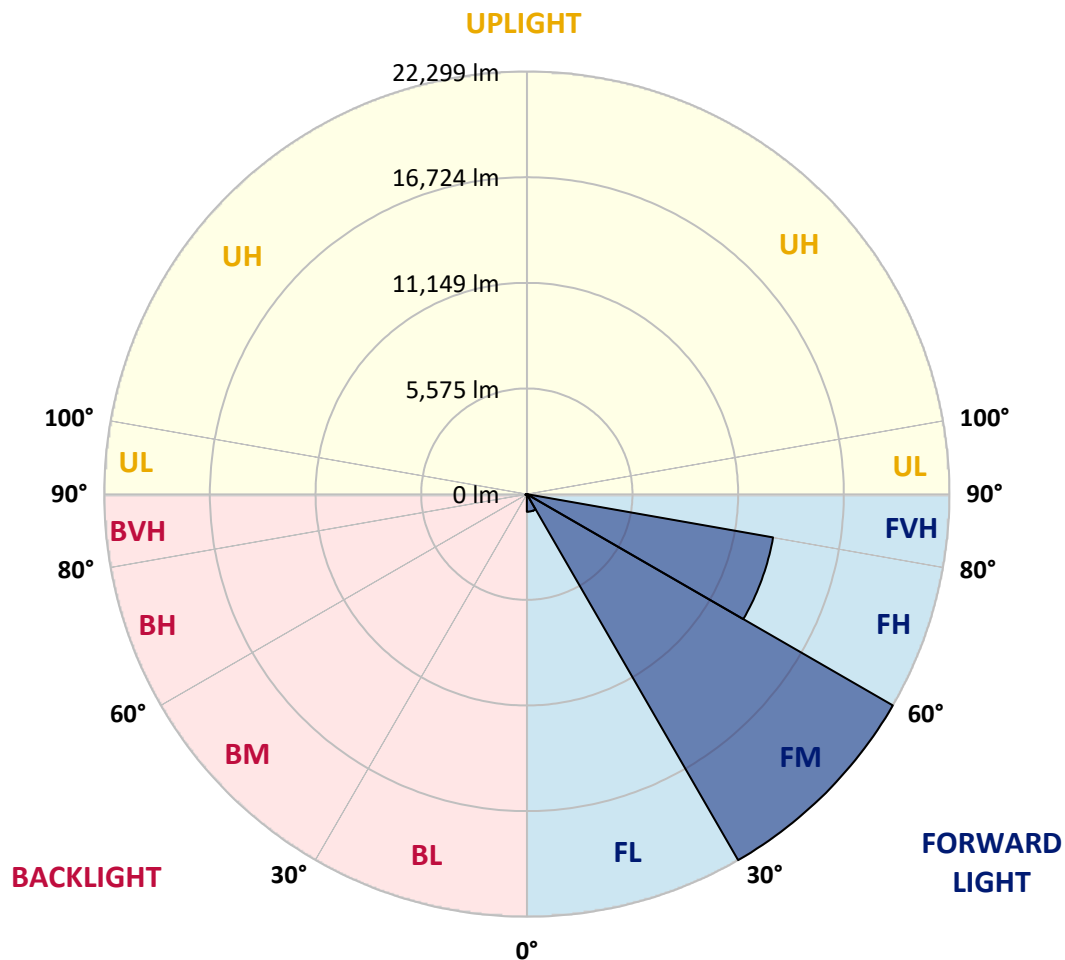
CATALOG NUMBER: GALN-SA8C-850-U-RBC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	929.9	2.5			
FM	(30°-60°)	22298.6	60.8			
FH	(60°-80°)	13189.8	36.0			G5
FVH	(80°-90°)	53.7	0.1			G1/100
BL	(0°-30°)	33.7	0.1	B0/110		
BM	(30°-60°)	65.6	0.2	B0/220		
BH	(60°-80°)	68.5	0.2	B0/110		G0/110
BVH	(80°-90°)	15.8	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-G5

Type III Short



REPORT NUMBER: P1049275

CATALOG NUMBER: GALN-SA8C-850-U-RBC

CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°
0°	160.7	160.7	160.7	160.7	160.7	160.7	160.7	160.7	160.7	160.7
2.5°	146.8	146.8	146.8	146.8	144.0	144.0	141.3	141.3	138.5	138.5
5°	155.1	155.1	152.4	149.6	149.6	146.8	144.0	141.3	141.3	138.5
7.5°	169.0	166.2	163.4	160.7	155.1	152.4	146.8	144.0	141.3	135.7
10°	185.6	180.1	174.5	169.0	163.4	157.9	152.4	149.6	144.0	141.3
12.5°	207.8	199.4	188.4	180.1	174.5	166.2	160.7	155.1	146.8	141.3
15°	227.1	216.1	202.2	191.1	182.8	171.7	163.4	155.1	149.6	141.3
17.5°	254.8	235.5	213.3	199.4	188.4	174.5	160.7	152.4	144.0	133.0
20°	301.9	263.2	221.6	205.0	188.4	171.7	155.1	144.0	135.7	124.7
22.5°	376.7	310.2	243.8	218.8	196.7	171.7	149.6	138.5	127.4	116.3
25°	520.8	401.7	282.5	249.3	216.1	182.8	149.6	135.7	124.7	110.8
27.5°	692.5	515.2	335.2	288.1	243.8	196.7	149.6	133.0	119.1	102.5
30°	867.0	631.6	393.3	332.4	271.5	210.5	149.6	130.2	113.6	94.2
32.5°	1033.2	739.6	443.2	371.2	299.2	224.4	152.4	130.2	108.0	85.9
35°	1202.2	828.2	451.5	376.7	301.9	224.4	149.6	124.7	102.5	77.6
37.5°	1418.3	928.0	434.9	360.1	288.1	213.3	141.3	119.1	97.0	72.0
40°	1745.1	1094.2	443.2	365.6	288.1	210.5	133.0	110.8	91.4	69.3
42.5°	2349.0	1415.5	479.2	390.6	301.9	210.5	121.9	102.5	85.9	66.5
45°	4060.9	2351.8	642.6	509.7	376.7	243.8	110.8	94.2	80.3	63.7
47.5°	6717.3	3936.2	1155.1	891.9	631.6	368.4	108.0	94.2	80.3	63.7
50°	8573.2	5013.8	1454.3	1119.1	783.9	448.7	113.6	97.0	83.1	66.5
52.5°	8559.4	5091.3	1620.5	1243.7	869.8	493.1	119.1	102.5	88.6	72.0
55°	7609.3	4631.5	1650.9	1268.7	889.2	506.9	127.4	110.8	94.2	77.6
57.5°	6360.0	3933.4	1506.9	1166.2	828.2	487.5	146.8	127.4	110.8	91.4
60°	5030.4	3102.4	1174.5	928.0	684.2	437.7	193.9	169.0	146.8	121.9
62.5°	3473.6	2249.3	1024.9	822.7	623.3	421.0	221.6	196.7	174.5	149.6
65°	2457.0	1692.5	925.2	753.4	584.5	412.7	241.0	213.3	188.4	160.7
67.5°	1836.5	1346.2	853.2	706.4	559.5	412.7	265.9	232.7	202.2	169.0
70°	1407.2	1105.2	800.5	681.4	565.1	446.0	326.9	279.8	235.5	188.4
72.5°	1146.8	944.6	739.6	653.7	567.9	482.0	396.1	335.2	274.2	210.5
75°	950.1	808.8	667.6	595.6	526.3	454.3	382.3	326.9	274.2	218.8
77.5°	631.6	576.2	518.0	476.4	434.9	390.6	349.0	301.9	257.6	210.5
80°	221.6	213.3	205.0	221.6	238.2	254.8	271.5	238.2	207.8	174.5
82.5°	33.2	30.5	27.7	30.5	33.2	36.0	38.8	41.6	44.3	47.1
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: P1049275

CATALOG NUMBER: GALN-SA8C-850-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]



REPORT NUMBER: P1049275

CATALOG NUMBER: GALN-SA8C-850-U-RBC

CANDELA DISTRIBUTION (continued):

25°		27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°
0.0	0°	160.7	160.7	160.7	160.7	160.7	160.7	160.7	160.7	160.7	160.7
0.0	2.5°	135.7	135.7	133.0	133.0	133.0	130.2	130.2	127.4	127.4	127.4
0.0	5°	133.0	133.0	130.2	127.4	124.7	124.7	121.9	119.1	119.1	116.3
0.0	7.5°	130.2	127.4	124.7	121.9	119.1	116.3	113.6	110.8	110.8	108.0
0.0	10°	133.0	127.4	124.7	119.1	116.3	113.6	108.0	105.3	102.5	102.5
0.0	12.5°	127.4	124.7	119.1	113.6	110.8	105.3	102.5	97.0	94.2	94.2
0.0	15°	127.4	121.9	113.6	108.0	102.5	99.7	94.2	88.6	85.9	83.1
0.0	17.5°	119.1	113.6	105.3	99.7	94.2	88.6	83.1	77.6	74.8	72.0
0.0	20°	108.0	102.5	94.2	85.9	80.3	74.8	69.3	63.7	60.9	58.2
0.0	22.5°	97.0	91.4	83.1	74.8	69.3	63.7	55.4	49.9	47.1	41.6
0.0	25°	91.4	83.1	74.8	66.5	58.2	52.6	44.3	36.0	30.5	24.9
0.0	27.5°	77.6	69.3	60.9	52.6	44.3	36.0	27.7	19.4	13.9	11.1
0.0	30°	66.5	58.2	49.9	41.6	30.5	22.2	13.9	2.8	2.8	2.8
0.0	32.5°	55.4	47.1	36.0	27.7	22.2	13.9	8.3	0.0	0.0	0.0
0.0	35°	44.3	36.0	24.9	16.6	13.9	8.3	5.5	0.0	0.0	0.0
0.0	37.5°	38.8	30.5	19.4	8.3	5.5	5.5	2.8	0.0	0.0	0.0
0.0	40°	36.0	24.9	13.9	2.8	2.8	2.8	0.0	0.0	0.0	0.0
0.0	42.5°	36.0	24.9	11.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	36.0	24.9	11.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	36.0	24.9	11.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	38.8	27.7	13.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	44.3	33.2	22.2	11.1	8.3	5.5	2.8	0.0	0.0	0.0
0.0	55°	55.4	49.9	41.6	36.0	27.7	19.4	8.3	0.0	0.0	0.0
0.0	57.5°	72.0	72.0	69.3	66.5	49.9	33.2	16.6	0.0	0.0	0.0
0.0	60°	97.0	97.0	97.0	97.0	72.0	49.9	24.9	0.0	0.0	0.0
0.0	62.5°	119.1	113.6	105.3	99.7	74.8	49.9	24.9	0.0	0.0	0.0
0.0	65°	119.1	108.0	94.2	80.3	60.9	41.6	19.4	0.0	0.0	0.0
0.0	67.5°	110.8	88.6	63.7	41.6	30.5	22.2	11.1	0.0	0.0	0.0
	70°	110.8	77.6	44.3	11.1	8.3	5.5	2.8	0.0	0.0	0.0
	72.5°	110.8	74.8	36.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	75°	121.9	83.1	41.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	77.5°	121.9	83.1	41.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	80°	108.0	72.0	36.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	82.5°	36.0	24.9	11.1	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-SA8C-850-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049275

CATALOG NUMBER: GALN-SA8C-850-U-RBC

CANDELA DISTRIBUTION (continued):

52.5°		55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°
0.0	0°	160.7	160.7	160.7	160.7	160.7	160.7	160.7	160.7	160.7	160.7
0.0	2.5°	124.7	124.7	124.7	121.9	121.9	121.9	121.9	119.1	119.1	119.1
0.0	5°	113.6	113.6	110.8	110.8	108.0	108.0	105.3	105.3	102.5	102.5
0.0	7.5°	105.3	102.5	102.5	99.7	97.0	97.0	94.2	94.2	91.4	88.6
0.0	10°	97.0	94.2	94.2	91.4	88.6	85.9	85.9	83.1	80.3	77.6
0.0	12.5°	88.6	85.9	83.1	80.3	77.6	74.8	74.8	72.0	69.3	66.5
0.0	15°	77.6	74.8	72.0	69.3	66.5	63.7	63.7	60.9	58.2	55.4
0.0	17.5°	66.5	63.7	63.7	60.9	58.2	55.4	52.6	47.1	44.3	41.6
0.0	20°	49.9	47.1	44.3	41.6	38.8	33.2	30.5	24.9	19.4	16.6
0.0	22.5°	33.2	27.7	24.9	19.4	13.9	11.1	8.3	2.8	0.0	0.0
0.0	25°	11.1	8.3	5.5	2.8	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: P1049275

CATALOG NUMBER: GALN-SA8C-850-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049275

CATALOG NUMBER: GALN-SA8C-850-U-RBC

CANDELA DISTRIBUTION (continued):

80°		82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°
0.0	0°	160.7	160.7	160.7	160.7	160.7	160.7	160.7	160.7	160.7	160.7
0.0	2.5°	116.3	116.3	116.3	113.6	113.6	113.6	113.6	113.6	113.6	113.6
0.0	5°	99.7	99.7	99.7	97.0	97.0	94.2	94.2	94.2	91.4	91.4
0.0	7.5°	85.9	83.1	83.1	80.3	80.3	77.6	77.6	77.6	74.8	74.8
0.0	10°	72.0	69.3	69.3	66.5	66.5	63.7	63.7	60.9	60.9	58.2
0.0	12.5°	63.7	60.9	58.2	55.4	55.4	52.6	49.9	49.9	47.1	44.3
0.0	15°	49.9	47.1	44.3	41.6	38.8	36.0	33.2	33.2	30.5	27.7
0.0	17.5°	33.2	27.7	24.9	22.2	22.2	19.4	16.6	13.9	11.1	8.3
0.0	20°	8.3	5.5	2.8	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-SA8C-850-U-RBC

[illegible]

REPORT NUMBER: P1049275

CATALOG NUMBER: GALN-SA8C-850-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°	160.7	160.7	160.7	160.7	160.7	160.7	160.7	160.7	160.7	160.7
0.0	2.5°	113.6	110.8	110.8	110.8	113.6	113.6	113.6	113.6	113.6	113.6
0.0	5°	91.4	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
0.0	7.5°	74.8	72.0	72.0	72.0	72.0	69.3	69.3	69.3	69.3	69.3
0.0	10°	58.2	55.4	55.4	55.4	55.4	52.6	52.6	52.6	52.6	52.6
0.0	12.5°	41.6	41.6	38.8	38.8	38.8	36.0	36.0	36.0	36.0	33.2
0.0	15°	24.9	22.2	19.4	19.4	19.4	16.6	16.6	16.6	16.6	13.9
0.0	17.5°	5.5	5.5	2.8	2.8	2.8	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-SA8C-850-U-RBC

[illegible]

REPORT NUMBER: P1049275

CATALOG NUMBER: GALN-SA8C-850-U-RBC

CANDELA DISTRIBUTION (continued):

135°		137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°
0.0	0°	160.7	160.7	160.7	160.7	160.7	160.7	160.7	160.7	160.7	160.7
0.0	2.5°	116.3	116.3	119.1	119.1	121.9	127.4	130.2	133.0	138.5	144.0
0.0	5°	91.4	94.2	94.2	97.0	99.7	102.5	105.3	108.0	113.6	119.1
0.0	7.5°	72.0	72.0	74.8	74.8	77.6	83.1	85.9	88.6	94.2	102.5
0.0	10°	55.4	55.4	58.2	58.2	60.9	66.5	69.3	72.0	77.6	85.9
0.0	12.5°	36.0	38.8	38.8	41.6	44.3	49.9	52.6	55.4	60.9	66.5
0.0	15°	16.6	19.4	19.4	22.2	24.9	30.5	33.2	36.0	41.6	49.9
0.0	17.5°	2.8	2.8	5.5	5.5	8.3	11.1	13.9	16.6	24.9	30.5
0.0	20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.5	11.1
0.0	22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
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: P1049275

CATALOG NUMBER: GALN-SA8C-850-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049275

CATALOG NUMBER: GALN-SA8C-850-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°	160.7	160.7	160.7	160.7	160.7	160.7	160.7	160.7	160.7	160.7
0.0	2.5°	152.4	157.9	163.4	169.0	174.5	180.1	182.8	188.4	191.1	193.9
0.0	5°	130.2	135.7	144.0	149.6	155.1	160.7	166.2	169.0	171.7	174.5
0.0	7.5°	113.6	119.1	127.4	133.0	138.5	144.0	149.6	155.1	157.9	160.7
0.0	10°	97.0	105.3	110.8	119.1	124.7	130.2	135.7	141.3	146.8	149.6
0.0	12.5°	77.6	85.9	94.2	99.7	108.0	116.3	121.9	127.4	133.0	138.5
0.0	15°	60.9	69.3	77.6	83.1	91.4	99.7	108.0	113.6	119.1	124.7
0.0	17.5°	44.3	52.6	60.9	66.5	74.8	83.1	88.6	97.0	102.5	108.0
0.0	20°	22.2	30.5	38.8	47.1	55.4	63.7	69.3	77.6	83.1	88.6
0.0	22.5°	2.8	11.1	19.4	24.9	33.2	41.6	47.1	55.4	60.9	66.5
0.0	25°	0.0	2.8	8.3	11.1	13.9	19.4	24.9	30.5	36.0	41.6
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	2.8	5.5	11.1	16.6	22.2
0.0	30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.5
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	2.8
	82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8	5.5
	85°	0.0	0.0	0.0	0.0	0.0	5.5	8.3	13.9	16.6	19.4
	87.5°	0.0	2.8	5.5	8.3	11.1	16.6	22.2	27.7	30.5	33.2
	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: P1049275

CATALOG NUMBER: GALN-SA8C-850-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049275

CATALOG NUMBER: GALN-SA8C-850-U-RBC

CANDELA DISTRIBUTION (continued):

190°		192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°
0.0	0°	160.7	160.7	160.7	160.7	160.7	160.7	160.7	160.7	160.7	160.7
0.0	2.5°	196.7	196.7	196.7	196.7	193.9	193.9	193.9	191.1	191.1	188.4
0.0	5°	180.1	182.8	182.8	182.8	182.8	182.8	182.8	182.8	180.1	180.1
0.0	7.5°	166.2	169.0	171.7	171.7	174.5	174.5	174.5	171.7	171.7	169.0
0.0	10°	157.9	160.7	160.7	163.4	163.4	163.4	163.4	163.4	163.4	163.4
0.0	12.5°	146.8	149.6	152.4	152.4	155.1	155.1	155.1	155.1	152.4	152.4
0.0	15°	133.0	138.5	141.3	144.0	144.0	146.8	146.8	146.8	146.8	146.8
0.0	17.5°	121.9	127.4	130.2	133.0	133.0	135.7	135.7	138.5	138.5	138.5
0.0	20°	99.7	105.3	108.0	113.6	116.3	119.1	121.9	124.7	124.7	127.4
0.0	22.5°	77.6	83.1	85.9	91.4	94.2	97.0	99.7	102.5	105.3	108.0
0.0	25°	55.4	60.9	63.7	69.3	72.0	74.8	77.6	80.3	80.3	83.1
0.0	27.5°	30.5	36.0	41.6	44.3	49.9	52.6	55.4	58.2	60.9	63.7
0.0	30°	13.9	16.6	19.4	24.9	27.7	30.5	33.2	38.8	41.6	44.3
0.0	32.5°	0.0	0.0	2.8	8.3	11.1	13.9	16.6	19.4	19.4	22.2
0.0	35°	0.0	0.0	0.0	0.0	0.0	0.0	2.8	5.5	8.3	11.1
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°	5.5	5.5	5.5	8.3	8.3	8.3	8.3	8.3	8.3	8.3
	82.5°	13.9	16.6	19.4	19.4	22.2	22.2	22.2	22.2	19.4	19.4
	85°	27.7	30.5	33.2	33.2	36.0	36.0	36.0	36.0	36.0	36.0
	87.5°	38.8	41.6	44.3	44.3	47.1	47.1	47.1	47.1	47.1	47.1
	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: P1049275

CATALOG NUMBER: GALN-SA8C-850-U-RBC

CANDELA DISTRIBUTION (continued):

217.5°		192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°
160.7	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
188.4	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180.1	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
169.0	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
163.4	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.4	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
146.8	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
138.5	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
124.7	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
108.0	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85.9	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66.5	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.1	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27.7	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16.6	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.5	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.5	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.8	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.8	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.8	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.8	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.8	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											
8.3											
19.4											
36.0											
47.1											
0.0											
0.0											
0.0											
0.0											
0.0											
0.0											
0.0											
0.0											
0.0											
0.0											
0.0											
0.0											

REPORT NUMBER: P1049275

CATALOG NUMBER: GALN-SA8C-850-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°	160.7	160.7	160.7	160.7	160.7	160.7	160.7	160.7	160.7	160.7
0.0	2.5°	185.6	185.6	182.8	182.8	182.8	182.8	182.8	185.6	188.4	188.4
0.0	5°	177.3	177.3	174.5	174.5	174.5	177.3	177.3	180.1	182.8	185.6
0.0	7.5°	169.0	166.2	166.2	169.0	169.0	171.7	171.7	174.5	177.3	180.1
0.0	10°	163.4	160.7	160.7	160.7	163.4	163.4	166.2	169.0	171.7	174.5
0.0	12.5°	152.4	152.4	152.4	152.4	155.1	155.1	157.9	160.7	166.2	169.0
0.0	15°	146.8	144.0	144.0	144.0	144.0	146.8	146.8	152.4	157.9	160.7
0.0	17.5°	135.7	135.7	133.0	133.0	135.7	135.7	138.5	144.0	149.6	152.4
0.0	20°	124.7	121.9	119.1	119.1	121.9	121.9	124.7	130.2	135.7	138.5
0.0	22.5°	108.0	105.3	105.3	105.3	105.3	108.0	108.0	113.6	121.9	127.4
0.0	25°	85.9	88.6	88.6	91.4	91.4	94.2	97.0	102.5	110.8	116.3
0.0	27.5°	66.5	69.3	69.3	74.8	77.6	80.3	83.1	91.4	99.7	105.3
0.0	30°	49.9	52.6	55.4	58.2	63.7	69.3	74.8	83.1	91.4	97.0
0.0	32.5°	30.5	36.0	38.8	44.3	49.9	55.4	60.9	69.3	80.3	88.6
0.0	35°	22.2	24.9	30.5	33.2	38.8	44.3	49.9	60.9	69.3	80.3
0.0	37.5°	11.1	16.6	22.2	27.7	33.2	38.8	44.3	55.4	66.5	74.8
0.0	40°	8.3	13.9	16.6	22.2	30.5	36.0	41.6	52.6	63.7	74.8
0.0	42.5°	5.5	8.3	11.1	19.4	24.9	33.2	41.6	52.6	63.7	74.8
0.0	45°	5.5	5.5	8.3	16.6	24.9	36.0	44.3	55.4	63.7	74.8
0.0	47.5°	5.5	8.3	11.1	22.2	27.7	36.0	44.3	52.6	63.7	72.0
0.0	50°	8.3	11.1	13.9	24.9	30.5	38.8	44.3	55.4	63.7	74.8
0.0	52.5°	5.5	8.3	11.1	22.2	30.5	41.6	49.9	60.9	72.0	80.3
0.0	55°	2.8	2.8	2.8	16.6	33.2	47.1	63.7	72.0	83.1	91.4
0.0	57.5°	0.0	0.0	0.0	11.1	33.2	52.6	72.0	83.1	94.2	102.5
0.0	60°	0.0	0.0	0.0	11.1	33.2	52.6	72.0	85.9	99.7	113.6
0.0	62.5°	0.0	0.0	0.0	11.1	27.7	44.3	60.9	83.1	108.0	130.2
0.0	65°	0.0	0.0	0.0	8.3	22.2	36.0	49.9	83.1	116.3	146.8
0.0	67.5°	0.0	0.0	0.0	8.3	22.2	33.2	47.1	83.1	116.3	152.4
	70°	0.0	0.0	0.0	8.3	22.2	36.0	49.9	83.1	116.3	149.6
	72.5°	0.0	0.0	0.0	8.3	24.9	38.8	55.4	83.1	110.8	138.5
	75°	0.0	0.0	0.0	11.1	24.9	41.6	58.2	83.1	108.0	130.2
	77.5°	0.0	0.0	0.0	8.3	24.9	38.8	55.4	80.3	105.3	127.4
	80°	8.3	5.5	5.5	13.9	24.9	36.0	47.1	72.0	99.7	124.7
	82.5°	16.6	16.6	13.9	19.4	24.9	33.2	41.6	63.7	88.6	110.8
	85°	33.2	33.2	30.5	33.2	33.2	36.0	38.8	49.9	60.9	72.0
	87.5°	44.3	44.3	41.6	41.6	41.6	38.8	38.8	38.8	38.8	36.0
	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: P1049275

CATALOG NUMBER: GALN-SA8C-850-U-RBC

CANDELA DISTRIBUTION (continued):

245°		220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°
160.7	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
191.1	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
188.4	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
182.8	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.3	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
171.7	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
166.2	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.9	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
144.0	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
133.0	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
121.9	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
113.6	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105.3	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.0	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.6	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85.9	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85.9	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85.9	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
83.1	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80.3	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
83.1	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
91.4	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
99.7	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
113.6	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.4	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.4	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180.1	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
185.6	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
182.8											
166.2											
155.1											
152.4											
149.6											
133.0											
83.1											
36.0											
0.0											
0.0											
0.0											
0.0											
0.0											
0.0											
0.0											
0.0											
0.0											
0.0											
0.0											

REPORT NUMBER: P1049275

CATALOG NUMBER: GALN-SA8C-850-U-RBC

CANDELA DISTRIBUTION (continued):

245°		247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°
0.0	0°	160.7	160.7	160.7	160.7	160.7	160.7	160.7	160.7	160.7	160.7
0.0	2.5°	193.9	196.7	196.7	199.4	202.2	205.0	205.0	207.8	207.8	207.8
0.0	5°	191.1	196.7	199.4	202.2	205.0	207.8	210.5	213.3	216.1	216.1
0.0	7.5°	188.4	191.1	196.7	199.4	205.0	207.8	213.3	216.1	218.8	221.6
0.0	10°	182.8	188.4	193.9	199.4	205.0	210.5	216.1	221.6	227.1	229.9
0.0	12.5°	177.3	185.6	191.1	196.7	205.0	213.3	218.8	227.1	232.7	238.2
0.0	15°	174.5	180.1	188.4	193.9	205.0	216.1	224.4	235.5	246.5	254.8
0.0	17.5°	166.2	177.3	185.6	193.9	205.0	218.8	229.9	241.0	257.6	274.2
0.0	20°	155.1	163.4	174.5	182.8	199.4	213.3	229.9	243.8	268.7	293.6
0.0	22.5°	144.0	155.1	163.4	174.5	193.9	210.5	229.9	246.5	288.1	326.9
0.0	25°	133.0	146.8	157.9	169.0	191.1	213.3	235.5	257.6	326.9	396.1
0.0	27.5°	127.4	138.5	152.4	163.4	191.1	221.6	249.3	277.0	387.8	495.8
0.0	30°	119.1	133.0	144.0	157.9	193.9	229.9	265.9	301.9	470.9	639.9
0.0	32.5°	110.8	124.7	138.5	152.4	199.4	246.5	290.9	337.9	559.5	778.4
0.0	35°	102.5	119.1	133.0	146.8	207.8	271.5	332.4	393.3	639.9	883.6
0.0	37.5°	99.7	116.3	130.2	144.0	210.5	274.2	340.7	404.4	648.2	891.9
0.0	40°	102.5	116.3	133.0	146.8	202.2	257.6	310.2	365.6	620.5	872.6
0.0	42.5°	102.5	119.1	135.7	152.4	196.7	241.0	285.3	329.6	612.2	894.7
0.0	45°	99.7	116.3	133.0	149.6	191.1	229.9	271.5	310.2	662.0	1011.1
0.0	47.5°	97.0	113.6	130.2	146.8	188.4	229.9	271.5	313.0	855.9	1396.1
0.0	50°	97.0	113.6	127.4	141.3	191.1	243.8	293.6	343.5	1246.5	2146.8
0.0	52.5°	102.5	116.3	127.4	138.5	196.7	257.6	315.8	374.0	1584.5	2792.2
0.0	55°	110.8	119.1	130.2	138.5	210.5	279.8	351.8	421.0	1686.9	2952.9
0.0	57.5°	121.9	130.2	138.5	146.8	235.5	324.1	410.0	498.6	1695.3	2889.1
0.0	60°	135.7	146.8	155.1	163.4	257.6	354.6	448.7	542.9	1534.6	2523.5
0.0	62.5°	166.2	180.1	191.1	205.0	296.4	385.0	476.4	565.1	1274.2	1983.3
0.0	65°	191.1	202.2	213.3	224.4	313.0	404.4	493.1	581.7	1080.3	1578.9
0.0	67.5°	196.7	207.8	216.1	227.1	318.6	410.0	498.6	590.0	925.2	1257.6
	70°	199.4	213.3	229.9	243.8	337.9	432.1	523.5	617.7	819.9	1022.1
	72.5°	191.1	218.8	243.8	268.7	357.3	443.2	531.8	617.7	761.8	905.8
	75°	191.1	229.9	265.9	301.9	368.4	432.1	498.6	562.3	673.1	783.9
	77.5°	202.2	252.1	301.9	351.8	390.6	426.6	465.4	501.4	573.4	645.4
	80°	202.2	254.8	304.7	357.3	374.0	393.3	410.0	426.6	434.9	443.2
	82.5°	174.5	216.1	257.6	299.2	279.8	260.4	241.0	221.6	207.8	191.1
	85°	88.6	97.0	102.5	108.0	99.7	91.4	83.1	74.8	69.3	60.9
	87.5°	36.0	36.0	33.2	33.2	33.2	33.2	30.5	30.5	30.5	30.5
	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: P1049275

CATALOG NUMBER: GALN-SA8C-850-U-RBC

CANDELA DISTRIBUTION (continued):

272.5°		247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°
160.7	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
207.8	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
216.1	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
224.4	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
235.5	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
246.5	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
268.7	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
296.4	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
340.7	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
434.9	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
590.0	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
819.9	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1110.8	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1387.8	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1576.1	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1717.4	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1858.7	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2135.7	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2689.7	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4099.6	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6279.7	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7905.7	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8085.7	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7296.3	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6238.1	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4875.3	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3684.1	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2720.2	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1925.2											
1432.1											
1041.5											
783.9											
440.4											
199.4											
58.2											
27.7											
0.0											
0.0											
0.0											
0.0											
0.0											
0.0											
0.0											
0.0											
0.0											
0.0											
0.0											

REPORT NUMBER: P1049275

CATALOG NUMBER: GALN-SA8C-850-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°	160.7	160.7	160.7	160.7	160.7	160.7	160.7	160.7	160.7	160.7
0.0	2.5°	207.8	205.0	205.0	202.2	199.4	196.7	193.9	191.1	188.4	185.6
0.0	5°	216.1	216.1	216.1	213.3	213.3	210.5	210.5	207.8	205.0	202.2
0.0	7.5°	224.4	227.1	227.1	229.9	229.9	229.9	229.9	227.1	227.1	227.1
0.0	10°	238.2	241.0	243.8	246.5	249.3	252.1	252.1	254.8	254.8	254.8
0.0	12.5°	254.8	263.2	268.7	277.0	282.5	290.9	296.4	304.7	310.2	315.8
0.0	15°	279.8	293.6	310.2	324.1	337.9	357.3	379.5	398.9	418.3	448.7
0.0	17.5°	315.8	360.1	404.4	446.0	490.3	587.2	684.2	778.4	875.3	1016.6
0.0	20°	385.0	518.0	648.2	781.1	911.3	1252.1	1590.0	1930.7	2268.7	2631.5
0.0	22.5°	540.2	867.0	1193.9	1520.7	1847.6	2559.5	3268.6	3980.5	4689.7	5523.4
0.0	25°	783.9	1385.0	1986.1	2584.4	3185.5	4299.1	5415.4	6529.0	7642.5	8725.6
0.0	27.5°	1141.3	2060.9	2980.6	3897.4	4817.1	6326.7	7839.2	9348.9	10858.5	12082.9
0.0	30°	1581.7	2828.2	4074.7	5321.2	6567.7	8285.2	10002.6	11717.2	13434.6	14772.6
0.0	32.5°	1997.2	3523.5	5049.8	6573.3	8099.6	10055.2	12013.6	13969.3	15924.9	17387.5
0.0	35°	2268.7	4113.5	5961.1	7805.9	9650.8	11767.1	13883.4	15996.9	18113.2	19783.6
0.0	37.5°	2540.1	4670.3	6797.7	8927.8	11055.2	13379.2	15703.3	18027.4	20351.4	22415.1
0.0	40°	2844.8	5343.4	7839.2	10337.8	12833.5	15587.0	18337.6	21091.0	23841.6	26752.9
0.0	42.5°	3373.9	6459.7	9548.3	12634.1	15719.9	19362.5	23005.1	26644.9	30287.5	34442.6
0.0	45°	4368.3	8717.3	13069.0	17417.9	21766.9	26592.3	31420.4	36245.8	41071.2	46600.2
0.0	47.5°	6803.2	12786.5	18767.0	24750.2	30730.7	35941.1	41148.8	46359.2	51566.9	57073.7
0.0	50°	10409.8	17373.6	24337.5	31298.6	38262.4	42977.0	47688.8	52403.4	57115.2	62353.4
0.0	52.5°	13019.1	20273.8	27531.3	34786.0	42040.7	46295.5	50553.0	54807.8	59062.6	63957.2
0.0	55°	13215.8	20429.0	27644.9	34858.1	42071.2	46345.4	50619.5	54893.7	59167.8	64356.1
0.0	57.5°	11700.6	18855.6	26007.8	33162.8	40315.0	45182.0	50046.1	54913.1	59777.2	65386.6
0.0	60°	9952.7	17110.5	24265.5	31423.2	38578.2	44184.7	49794.1	55400.6	61007.1	66261.9
0.0	62.5°	7764.4	15127.1	22492.6	29855.4	37218.1	42910.5	48602.9	54292.6	59985.0	63926.8
0.0	65°	5786.6	12936.0	20085.5	27232.2	34381.6	38941.1	43500.6	48057.2	52616.7	55057.1
0.0	67.5°	4182.7	10348.8	16512.1	22678.2	28841.6	32104.6	35367.7	38628.1	41891.2	43758.2
	70°	2828.2	7099.6	11368.2	15639.6	19908.2	22589.6	25273.8	27955.1	30636.5	33157.3
	72.5°	1958.4	4357.3	6758.9	9157.7	11556.6	14254.6	16949.8	19647.8	22343.1	25010.6
	75°	1299.1	2390.5	3484.7	4576.1	5667.5	7664.7	9664.6	11661.8	13659.0	15249.0
	77.5°	922.4	1249.3	1578.9	1905.8	2232.6	2606.6	2983.3	3357.3	3731.2	4299.1
	80°	437.7	479.2	520.8	559.5	601.1	736.8	872.6	1008.3	1144.0	1288.1
	82.5°	207.8	224.4	241.0	254.8	271.5	285.3	299.2	313.0	326.9	313.0
	85°	55.4	55.4	58.2	58.2	58.2	58.2	58.2	58.2	58.2	55.4
	87.5°	24.9	24.9	24.9	24.9	24.9	24.9	24.9	22.2	22.2	19.4
	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: P1049275

CATALOG NUMBER: GALN-SA8C-850-U-RBC

CANDELA DISTRIBUTION (continued):

300°		275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°
160.7	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
182.8	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
199.4	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
224.4	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
257.6	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
318.6	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
482.0	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1155.1	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2997.2	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6357.2	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9808.7	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13307.2	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16113.3	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18852.8	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21453.9	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24481.5	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29664.3	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38597.6	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52129.2	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62580.5	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67591.5	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
68851.9	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
69547.1	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70995.9	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
71513.9	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67871.3	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57500.3	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45627.9	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35675.2											
27678.1											
16839.0											
4866.9											
1432.1											
296.4											
52.6											
19.4											
0.0											
0.0											
0.0											
0.0											
0.0											
0.0											
0.0											
0.0											
0.0											
0.0											
0.0											

REPORT NUMBER: P1049275

CATALOG NUMBER: GALN-SA8C-850-U-RBC

CANDELA DISTRIBUTION (continued):

300°		302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°
0.0	0°	160.7	160.7	160.7	160.7	160.7	160.7	160.7	160.7	160.7
0.0	2.5°	180.1	177.3	174.5	171.7	169.0	163.4	163.4	160.7	160.7
0.0	5°	196.7	193.9	191.1	188.4	188.4	185.6	182.8	182.8	180.1
0.0	7.5°	224.4	221.6	218.8	216.1	216.1	213.3	213.3	210.5	210.5
0.0	10°	257.6	257.6	257.6	257.6	257.6	254.8	254.8	254.8	252.1
0.0	12.5°	324.1	326.9	332.4	337.9	346.3	346.3	346.3	343.5	343.5
0.0	15°	512.5	542.9	565.1	587.2	606.6	651.0	645.4	637.1	631.6
0.0	17.5°	1296.4	1434.9	1509.7	1581.7	1656.5	1861.5	1828.2	1795.0	1764.5
0.0	20°	3360.0	3722.9	3963.9	4204.9	4448.7	4833.7	4739.5	4645.3	4551.2
0.0	22.5°	7188.2	8022.0	8384.9	8747.8	9107.9	9573.2	9271.3	8969.4	8670.2
0.0	25°	10889.0	11972.1	12584.2	13196.4	13805.8	14071.8	13678.4	13282.3	12888.9
0.0	27.5°	14531.6	15755.9	16296.1	16833.5	17373.6	17930.4	17442.9	16952.6	16465.1
0.0	30°	17451.2	18789.1	19373.6	19955.3	20539.8	20927.6	20423.4	19916.5	19412.4
0.0	32.5°	20315.4	21778.0	22417.9	23057.7	23694.8	24251.6	23631.1	23007.9	22387.4
0.0	35°	23121.4	24791.8	25672.6	26553.5	27434.4	27952.4	27215.5	26475.9	25739.1
0.0	37.5°	26545.2	28608.9	29595.0	30581.1	31567.3	32511.8	31700.2	30885.8	30074.2
0.0	40°	32575.6	35486.9	36999.3	38514.5	40026.9	41245.7	40220.8	39195.9	38171.0
0.0	42.5°	42752.6	46907.7	49082.2	51253.9	53428.3	55331.3	54253.8	53176.3	52098.7
0.0	45°	57658.2	63187.2	65838.1	68486.2	71137.1	72527.7	70976.5	69422.5	67871.3
0.0	47.5°	68084.6	73591.4	75951.5	78311.5	80671.6	82258.8	80361.3	78463.9	76569.2
0.0	50°	72826.9	78065.0	80433.4	82799.0	85167.3	86427.7	84236.6	82042.7	79851.7
0.0	52.5°	73743.7	78638.4	81463.8	84292.0	87117.4	88801.6	86214.4	83624.4	81037.2
0.0	55°	74735.4	79923.7	83200.6	86480.3	89757.3	92089.6	89164.5	86236.6	83311.4
0.0	57.5°	76602.4	82211.7	85480.4	88746.2	92014.9	93995.4	91062.0	88125.7	85192.3
0.0	60°	76768.6	82020.6	84829.4	87641.0	90449.8	91696.3	88890.3	86081.5	83275.4
0.0	62.5°	71813.0	75754.8	77704.9	79655.0	81605.1	82959.6	80031.7	77101.0	74173.1
0.0	65°	59940.7	62381.1	63935.1	65489.0	67043.0	68658.0	65976.6	63295.2	60613.8
0.0	67.5°	47494.9	49361.9	51409.0	53456.0	55503.1	57228.8	55082.0	52932.5	50785.7
	70°	38195.9	40713.9	43015.8	45317.7	47619.6	49032.3	46877.2	44719.4	42564.3
	72.5°	30345.7	33013.2	34935.6	36855.2	38777.6	39123.9	37539.4	35955.0	34373.3
	75°	18426.2	20016.2	20055.0	20091.0	20129.8	20459.4	19146.4	17833.5	16523.2
	77.5°	5434.8	6002.7	6470.8	6936.2	7404.3	7969.4	7487.4	7002.6	6520.7
	80°	1573.4	1717.4	1839.3	1958.4	2080.3	2008.3	1894.7	1781.1	1667.6
	82.5°	282.5	265.9	263.2	260.4	260.4	246.5	224.4	202.2	180.1
	85°	49.9	47.1	44.3	41.6	38.8	36.0	30.5	27.7	22.2
	87.5°	16.6	13.9	11.1	8.3	8.3	2.8	2.8	2.8	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: P1049275

CATALOG NUMBER: GALN-SA8C-850-U-RBC

CANDELA DISTRIBUTION (continued):

325°	327.5°		302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°
160.7	160.7	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.9	157.9	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.3	177.3	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
207.8	205.0	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
252.1	249.3	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
340.7	332.4	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
623.3	592.8	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1731.3	1584.5	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4457.0	4058.1	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8368.3	7628.7	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12492.8	11562.1	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15977.5	14905.5	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18908.2	17755.9	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21766.9	20387.4	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25002.3	23392.9	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29259.8	27282.0	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37146.1	34597.7	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
51021.2	47578.0	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66320.1	62048.7	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
74671.7	70059.6	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77660.6	72965.4	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
78447.2	73657.9	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80383.5	75245.1	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82258.8	76990.2	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80469.4	75882.2	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
71242.4	67591.5	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57932.4	55267.6	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48639.0	45636.2	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40406.4	37137.8										
32788.8	29844.3										
15210.2	14033.0										
6038.7	5401.6										
1554.0	1393.3										
157.9	149.6										
16.6	13.9										
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										
0.0	0.0										
0.0	0.0										
0.0	0.0										
0.0	0.0										
0.0	0.0										
0.0	0.0										

REPORT NUMBER: P1049275

CATALOG NUMBER: GALN-SA8C-850-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°	160.7	160.7	160.7	160.7	160.7	160.7	160.7	160.7	160.7
0.0	0.0	2.5°	157.9	155.1	155.1	155.1	155.1	152.4	152.4	152.4	152.4
0.0	0.0	5°	174.5	174.5	171.7	171.7	169.0	169.0	166.2	166.2	163.4
0.0	0.0	7.5°	205.0	202.2	199.4	196.7	193.9	188.4	185.6	182.8	182.8
0.0	0.0	10°	246.5	241.0	238.2	232.7	229.9	224.4	218.8	213.3	207.8
0.0	0.0	12.5°	324.1	313.0	304.7	293.6	282.5	274.2	263.2	254.8	243.8
0.0	0.0	15°	562.3	534.6	504.1	468.1	429.4	393.3	354.6	332.4	307.5
0.0	0.0	17.5°	1437.6	1293.6	1146.8	1027.7	908.6	792.2	673.1	587.2	501.4
0.0	0.0	20°	3659.2	3260.3	2861.4	2468.1	2072.0	1678.6	1282.5	1083.1	883.6
0.0	0.0	22.5°	6886.3	6146.7	5404.3	4686.9	3966.7	3249.2	2531.8	2080.3	1631.5
0.0	0.0	25°	10628.6	9697.9	8767.1	7587.1	6404.3	5224.3	4044.2	3310.2	2576.1
0.0	0.0	27.5°	13830.8	12758.8	11686.8	10251.9	8817.0	7382.1	5947.3	4853.1	3761.7
0.0	0.0	30°	16603.6	15451.2	14298.9	12628.6	10958.2	9287.9	7617.6	6249.2	4880.8
0.0	0.0	32.5°	19007.9	17628.5	16249.0	14526.0	12803.1	11080.1	9357.2	7678.5	5999.9
0.0	0.0	35°	21780.7	20171.4	18559.2	16647.9	14733.8	12822.5	10911.1	9016.4	7119.0
0.0	0.0	37.5°	25304.2	23329.2	21351.4	19221.2	17091.1	14963.7	12833.5	10667.4	8501.2
0.0	0.0	40°	32049.2	29500.8	26952.4	24246.1	21537.0	18830.7	16124.3	13465.1	10805.9
0.0	0.0	42.5°	44134.9	40691.7	37248.6	33647.6	30043.7	26442.7	22838.9	19088.3	15334.9
0.0	0.0	45°	57774.5	53503.1	49229.0	45187.5	41143.3	37101.8	33060.3	27913.6	22766.9
0.0	0.0	47.5°	65444.7	60832.6	56220.5	52395.1	48569.7	44744.3	40918.9	35370.5	29822.1
0.0	0.0	50°	68267.4	63572.2	58877.0	55356.3	51832.8	48312.1	44788.6	39231.9	33672.5
0.0	0.0	52.5°	68868.5	64079.1	59289.7	55746.9	52204.0	48663.9	45121.0	39600.3	34079.7
0.0	0.0	55°	70103.9	64965.5	59824.3	55785.6	51746.9	47708.2	43669.5	38060.2	32450.9
0.0	0.0	57.5°	71718.8	66450.2	61181.7	56580.6	51979.6	47381.4	42780.3	36647.5	30514.6
0.0	0.0	60°	71295.0	66710.6	62123.5	57195.6	52264.9	47337.0	42406.4	35661.4	28913.6
0.0	0.0	62.5°	63937.8	60286.9	56633.3	52580.7	48525.4	44472.8	40420.3	33475.8	26531.3
0.0	0.0	65°	52600.1	49935.3	47270.6	44010.2	40747.1	37486.8	34226.5	27999.5	21775.2
0.0	0.0	67.5°	42630.8	39628.0	36622.6	34024.3	31423.2	28824.9	26223.9	21323.7	16423.5
		70°	33869.2	30603.3	27334.7	24797.3	22257.2	19719.8	17182.5	13924.9	10670.2
		72.5°	26897.0	23952.4	21007.9	18301.6	15592.5	12886.2	10177.1	8251.9	6326.7
		75°	12855.7	11678.4	10501.2	9085.7	7670.2	6254.7	4839.2	3999.9	3163.4
		77.5°	4764.5	4130.1	3493.0	2916.8	2340.7	1767.3	1191.1	1091.4	991.7
		80°	1232.7	1074.8	914.1	800.5	684.2	570.6	457.1	412.7	371.2
		82.5°	141.3	130.2	121.9	116.3	108.0	102.5	94.2	85.9	77.6
		85°	8.3	5.5	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: P1049275

CATALOG NUMBER: GALN-SA8C-850-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049275

CATALOG NUMBER: GALN-SA8C-850-U-RBC

CANDELA DISTRIBUTION (continued):

352.5°	355°		357.5°	360°
0.0	0.0	0°	160.7	160.7
0.0	0.0	2.5°	149.6	146.8
0.0	0.0	5°	157.9	155.1
0.0	0.0	7.5°	174.5	169.0
0.0	0.0	10°	191.1	185.6
0.0	0.0	12.5°	216.1	207.8
0.0	0.0	15°	243.8	227.1
0.0	0.0	17.5°	290.9	254.8
0.0	0.0	20°	393.3	301.9
0.0	0.0	22.5°	554.0	376.7
0.0	0.0	25°	814.4	520.8
0.0	0.0	27.5°	1132.9	692.5
0.0	0.0	30°	1506.9	867.0
0.0	0.0	32.5°	1836.5	1033.2
0.0	0.0	35°	2265.9	1202.2
0.0	0.0	37.5°	2795.0	1418.3
0.0	0.0	40°	3614.9	1745.1
0.0	0.0	42.5°	5091.3	2349.0
0.0	0.0	45°	8268.5	4060.9
0.0	0.0	47.5°	12722.7	6717.3
0.0	0.0	50°	15564.8	8573.2
0.0	0.0	52.5°	15797.5	8559.4
0.0	0.0	55°	14420.8	7609.3
0.0	0.0	57.5°	12304.5	6360.0
0.0	0.0	60°	10227.0	5030.4
0.0	0.0	62.5°	8058.0	3473.6
0.0	0.0	65°	5889.1	2457.0
0.0	0.0	67.5°	4229.8	1836.5
		70°	2781.1	1407.2
		72.5°	1811.6	1146.8
		75°	1218.8	950.1
		77.5°	711.9	631.6
		80°	252.1	221.6
		82.5°	47.1	33.2
		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: P1049275

CATALOG NUMBER: GALN-SA8C-850-U-RBC

CANDELA DISTRIBUTION (continued):

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

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



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

Report Prepared for

Cooper Lighting Solutions

McGraw-Edison

Report Number: SP1-2407-184-12

Test Date: 10/11/2024

Luminaire Tested: GSS-SB1A-850-U-5WQ

Data in this report applies to families of products including GSS-SB1A-850-U-5WQ

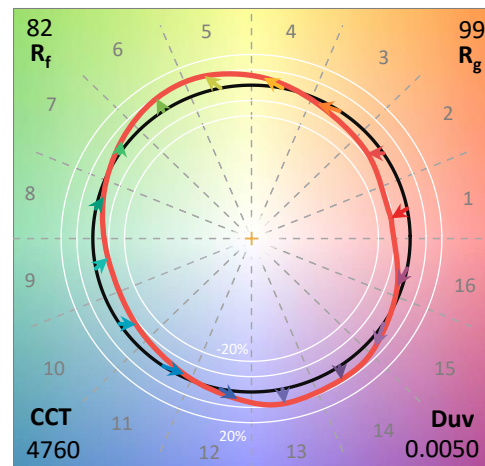
Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-12
 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-850-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI
 5000K CCT 26 LEDS

Spectral Parameters

CCT (K): 4760
 CIE u' : 0.2107
 CIE v' : 0.4939
 Duv: 0.0050
 CIE x: 0.3537
 CIE y: 0.3685
 CIE z: 0.2779
 Peak Wavelength (nm): 443
 Dominant Wavelength (nm): 571
 Purity: 16.69598
 R_f: 82
 R_g: 99.4

CRI (Ra): 81.1
 R1: 79.8
 R2: 83.5
 R3: 87.9
 R4: 83.1
 R5: 80.5
 R6: 79.1
 R7: 86.1
 R8: 69.0
 R9: 8.7
 R10: 62.4
 R11: 83.8
 R12: 63.0
 R13: 79.9
 R14: 93.3
 R15: 72.7



Test Conditions

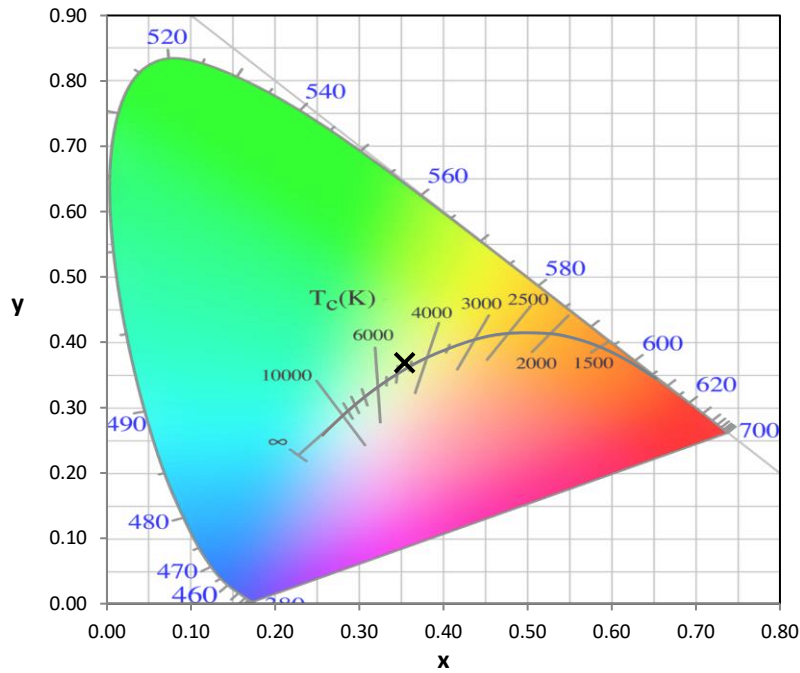
Stabilization Time: 21M
 Operation Time: 1H 21M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-12

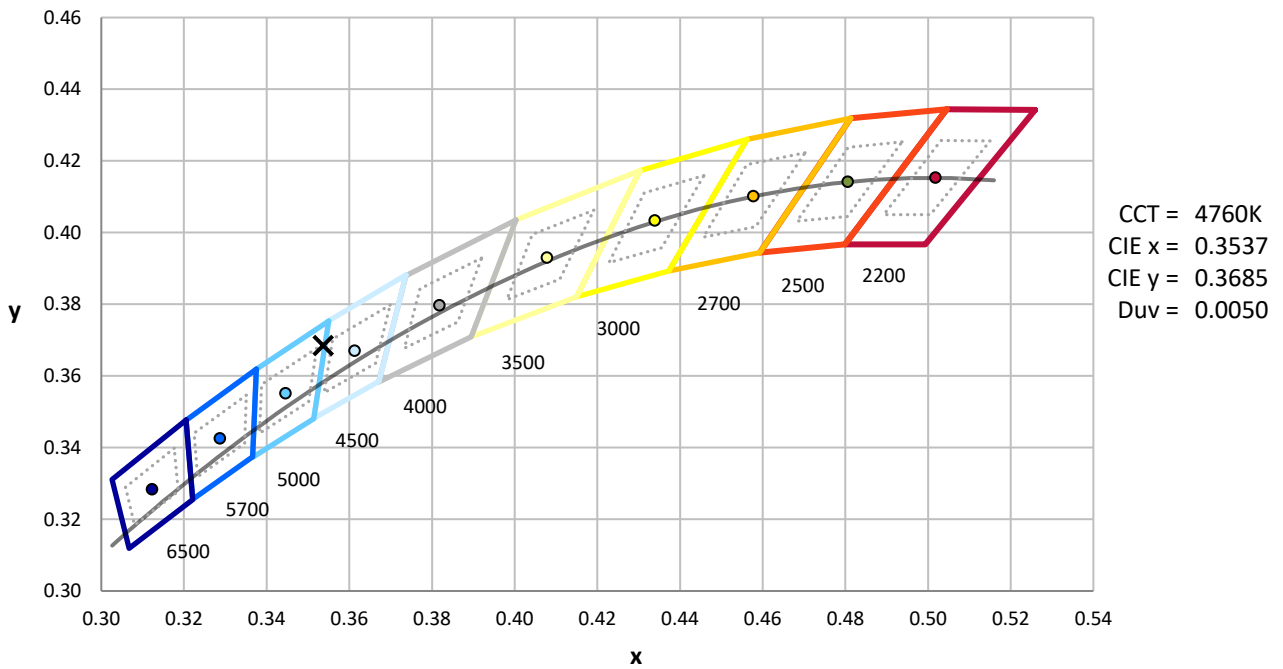
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-12

CIE 1931 Chromaticity Diagram



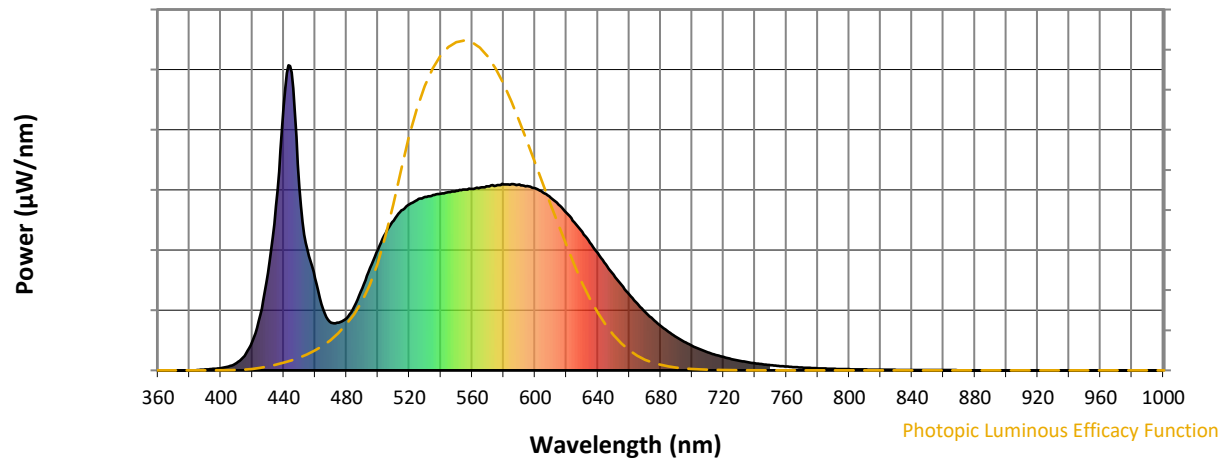
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 5000K 7-step quadrangle

REPORT NUMBER: SP1-2407-184-12

Photopic Flux vs. Wavelength

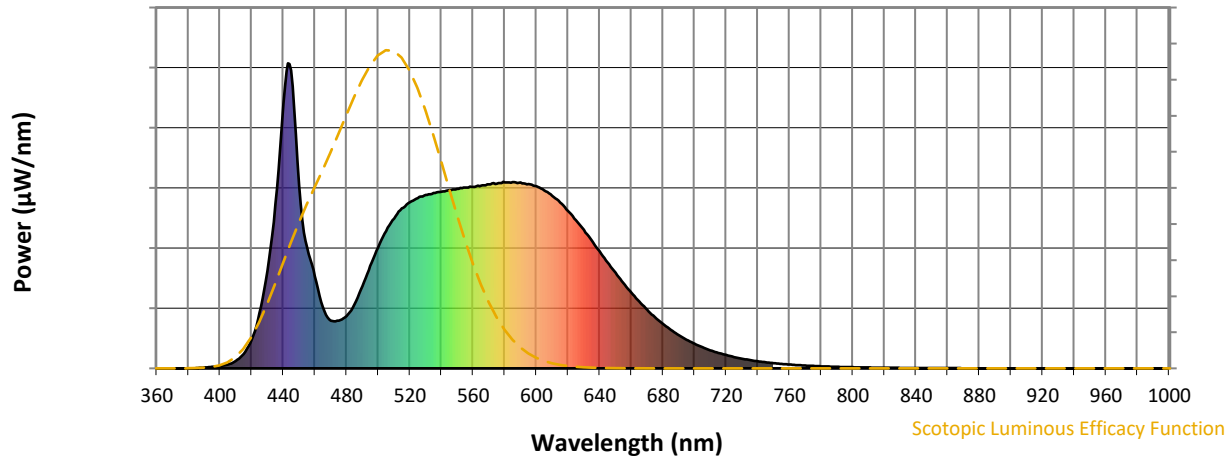


Photopic Lumens: NR

λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)
360	0	NR	490	270	NR	620	517	NR	750	17	NR	880	0	NR
365	0	NR	495	335	NR	625	486	NR	755	15	NR	885	0	NR
370	0	NR	500	397	NR	630	454	NR	760	12	NR	890	0	NR
375	0	NR	505	451	NR	635	419	NR	765	11	NR	895	0	NR
380	0	NR	510	492	NR	640	384	NR	770	9	NR	900	0	NR
385	1	NR	515	524	NR	645	347	NR	775	8	NR	905	0	NR
390	3	NR	520	545	NR	650	313	NR	780	7	NR	910	0	NR
395	5	NR	525	558	NR	655	280	NR	785	6	NR	915	0	NR
400	7	NR	530	568	NR	660	248	NR	790	5	NR	920	0	NR
405	13	NR	535	575	NR	665	219	NR	795	4	NR	925	0	NR
410	24	NR	540	579	NR	670	192	NR	800	4	NR	930	0	NR
415	47	NR	545	585	NR	675	167	NR	805	3	NR	935	0	NR
420	95	NR	550	588	NR	680	146	NR	810	3	NR	940	0	NR
425	181	NR	555	593	NR	685	126	NR	815	2	NR	945	0	NR
430	319	NR	560	595	NR	690	109	NR	820	2	NR	950	0	NR
435	539	NR	565	600	NR	695	94	NR	825	2	NR	955	0	NR
440	868	NR	570	603	NR	700	80	NR	830	2	NR	960	0	NR
445	977	NR	575	606	NR	705	69	NR	835	1	NR	965	0	NR
450	601	NR	580	609	NR	710	59	NR	840	1	NR	970	0	NR
455	397	NR	585	611	NR	715	51	NR	845	1	NR	975	0	NR
460	302	NR	590	610	NR	720	44	NR	850	1	NR	980	0	NR
465	201	NR	595	604	NR	725	37	NR	855	1	NR	985	0	NR
470	157	NR	600	596	NR	730	32	NR	860	1	NR	990	0	NR
475	157	NR	605	583	NR	735	27	NR	865	1	NR	995	0	NR
480	171	NR	610	566	NR	740	23	NR	870	1	NR	1000	0	NR
485	210	NR	615	543	NR	745	20	NR	875	0	NR			

REPORT NUMBER: SP1-2407-184-12

Scotopic Flux vs. Wavelength



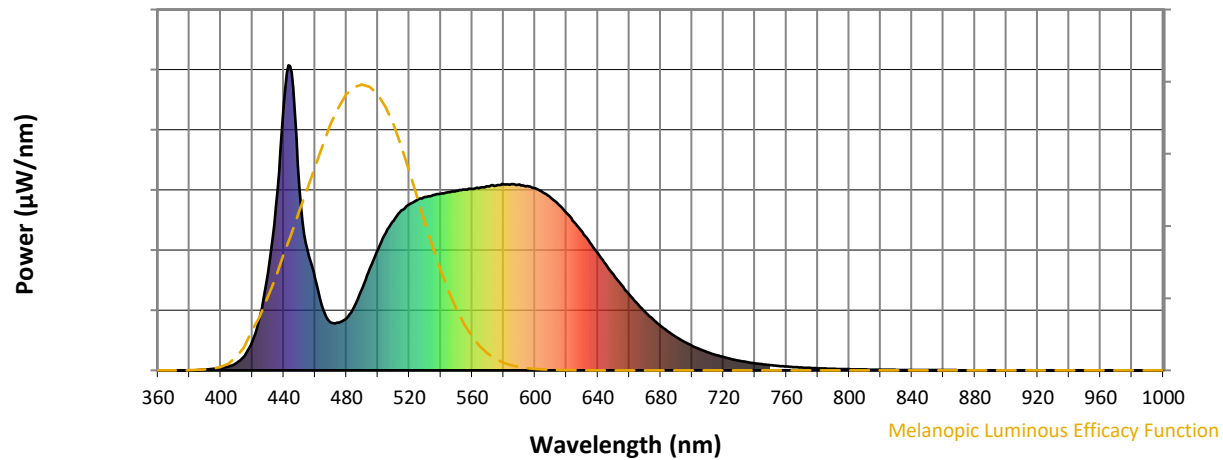
Scotopic Lumens: NR

S/P: 1.83

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	270	NR	620	517	NR	750	17	NR	880	0	NR
365	0	NR	495	335	NR	625	486	NR	755	15	NR	885	0	NR
370	0	NR	500	397	NR	630	454	NR	760	12	NR	890	0	NR
375	0	NR	505	451	NR	635	419	NR	765	11	NR	895	0	NR
380	0	NR	510	492	NR	640	384	NR	770	9	NR	900	0	NR
385	1	NR	515	524	NR	645	347	NR	775	8	NR	905	0	NR
390	3	NR	520	545	NR	650	313	NR	780	7	NR	910	0	NR
395	5	NR	525	558	NR	655	280	NR	785	6	NR	915	0	NR
400	7	NR	530	568	NR	660	248	NR	790	5	NR	920	0	NR
405	13	NR	535	575	NR	665	219	NR	795	4	NR	925	0	NR
410	24	NR	540	579	NR	670	192	NR	800	4	NR	930	0	NR
415	47	NR	545	585	NR	675	167	NR	805	3	NR	935	0	NR
420	95	NR	550	588	NR	680	146	NR	810	3	NR	940	0	NR
425	181	NR	555	593	NR	685	126	NR	815	2	NR	945	0	NR
430	319	NR	560	595	NR	690	109	NR	820	2	NR	950	0	NR
435	539	NR	565	600	NR	695	94	NR	825	2	NR	955	0	NR
440	868	NR	570	603	NR	700	80	NR	830	2	NR	960	0	NR
445	977	NR	575	606	NR	705	69	NR	835	1	NR	965	0	NR
450	601	NR	580	609	NR	710	59	NR	840	1	NR	970	0	NR
455	397	NR	585	611	NR	715	51	NR	845	1	NR	975	0	NR
460	302	NR	590	610	NR	720	44	NR	850	1	NR	980	0	NR
465	201	NR	595	604	NR	725	37	NR	855	1	NR	985	0	NR
470	157	NR	600	596	NR	730	32	NR	860	1	NR	990	0	NR
475	157	NR	605	583	NR	735	27	NR	865	1	NR	995	0	NR
480	171	NR	610	566	NR	740	23	NR	870	1	NR	1000	0	NR
485	210	NR	615	543	NR	745	20	NR	875	0	NR			

REPORT NUMBER: SP1-2407-184-12

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 3.74

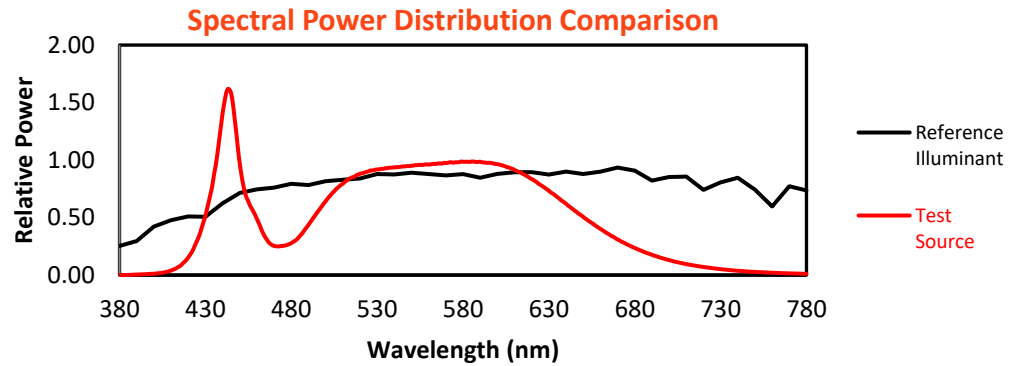
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	270	NR	620	517	NR	750	17	NR	880	0	NR
365	0	NR	495	335	NR	625	486	NR	755	15	NR	885	0	NR
370	0	NR	500	397	NR	630	454	NR	760	12	NR	890	0	NR
375	0	NR	505	451	NR	635	419	NR	765	11	NR	895	0	NR
380	0	NR	510	492	NR	640	384	NR	770	9	NR	900	0	NR
385	1	NR	515	524	NR	645	347	NR	775	8	NR	905	0	NR
390	3	NR	520	545	NR	650	313	NR	780	7	NR	910	0	NR
395	5	NR	525	558	NR	655	280	NR	785	6	NR	915	0	NR
400	7	NR	530	568	NR	660	248	NR	790	5	NR	920	0	NR
405	13	NR	535	575	NR	665	219	NR	795	4	NR	925	0	NR
410	24	NR	540	579	NR	670	192	NR	800	4	NR	930	0	NR
415	47	NR	545	585	NR	675	167	NR	805	3	NR	935	0	NR
420	95	NR	550	588	NR	680	146	NR	810	3	NR	940	0	NR
425	181	NR	555	593	NR	685	126	NR	815	2	NR	945	0	NR
430	319	NR	560	595	NR	690	109	NR	820	2	NR	950	0	NR
435	539	NR	565	600	NR	695	94	NR	825	2	NR	955	0	NR
440	868	NR	570	603	NR	700	80	NR	830	2	NR	960	0	NR
445	977	NR	575	606	NR	705	69	NR	835	1	NR	965	0	NR
450	601	NR	580	609	NR	710	59	NR	840	1	NR	970	0	NR
455	397	NR	585	611	NR	715	51	NR	845	1	NR	975	0	NR
460	302	NR	590	610	NR	720	44	NR	850	1	NR	980	0	NR
465	201	NR	595	604	NR	725	37	NR	855	1	NR	985	0	NR
470	157	NR	600	596	NR	730	32	NR	860	1	NR	990	0	NR
475	157	NR	605	583	NR	735	27	NR	865	1	NR	995	0	NR
480	171	NR	610	566	NR	740	23	NR	870	1	NR	1000	0	NR
485	210	NR	615	543	NR	745	20	NR	875	0	NR			

REPORT NUMBER: SP1-2407-184-12

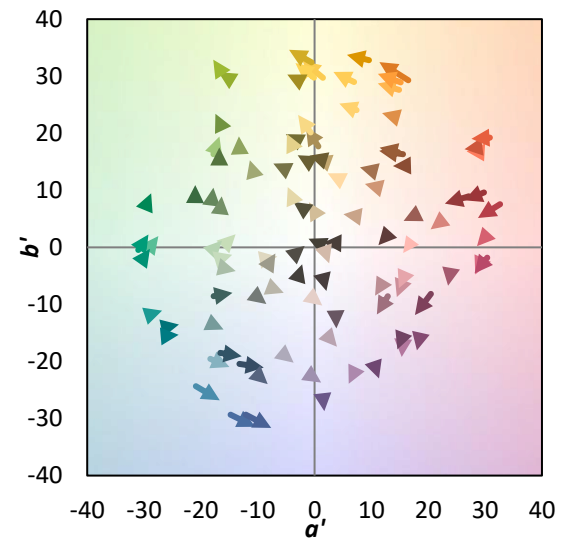
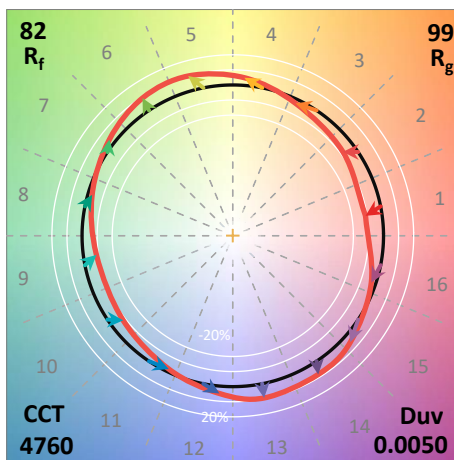
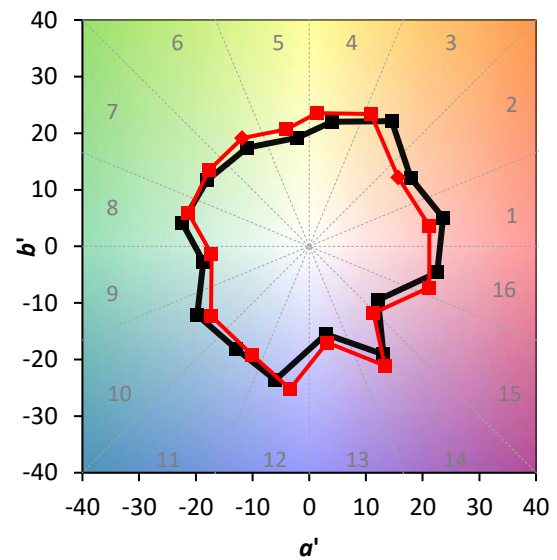
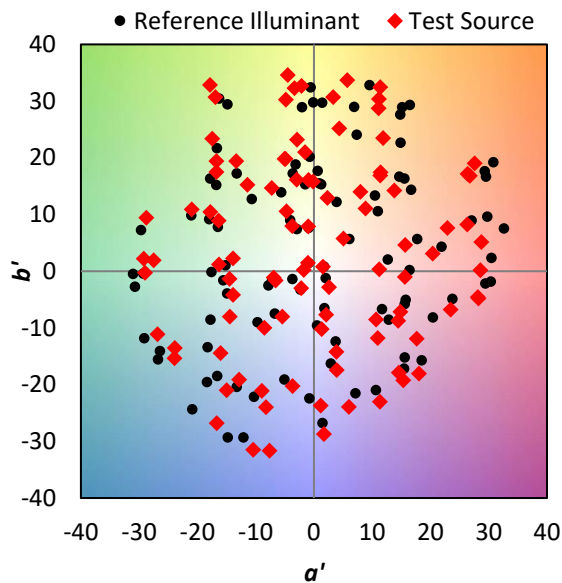
TM-30-18

Summary

$R_f = 82$
 $R_g = 99.4$
 $\text{CIE } R_a = 81.1$
 $R_9 = 8.7$

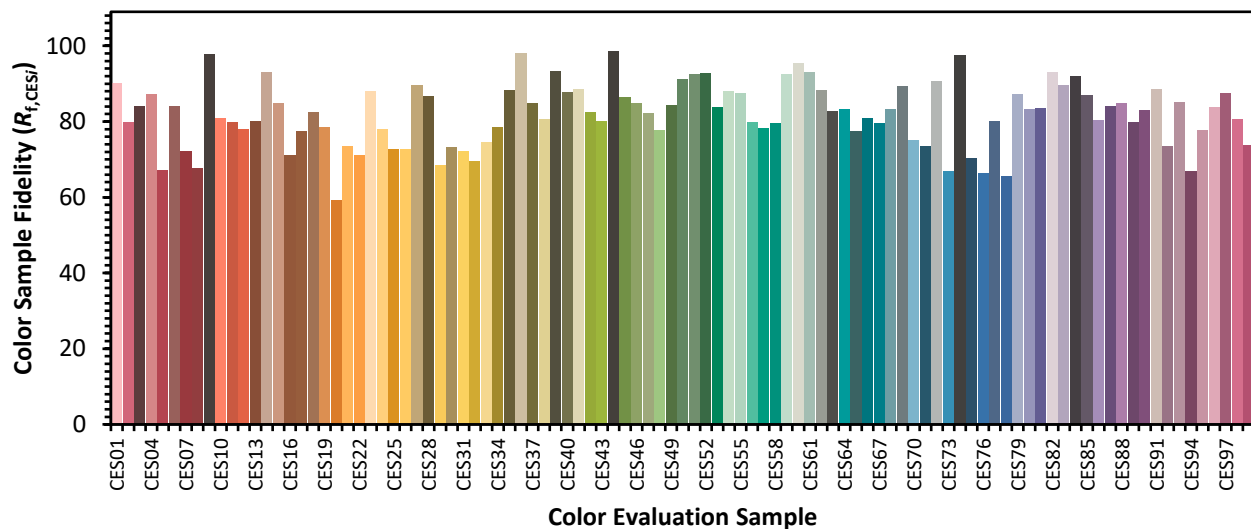


Color Vector Graphics

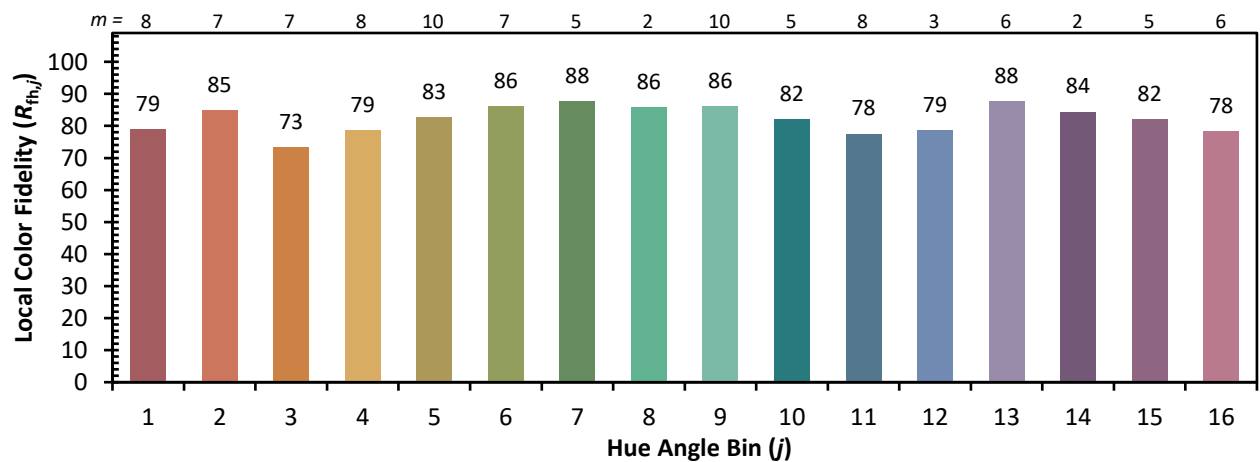
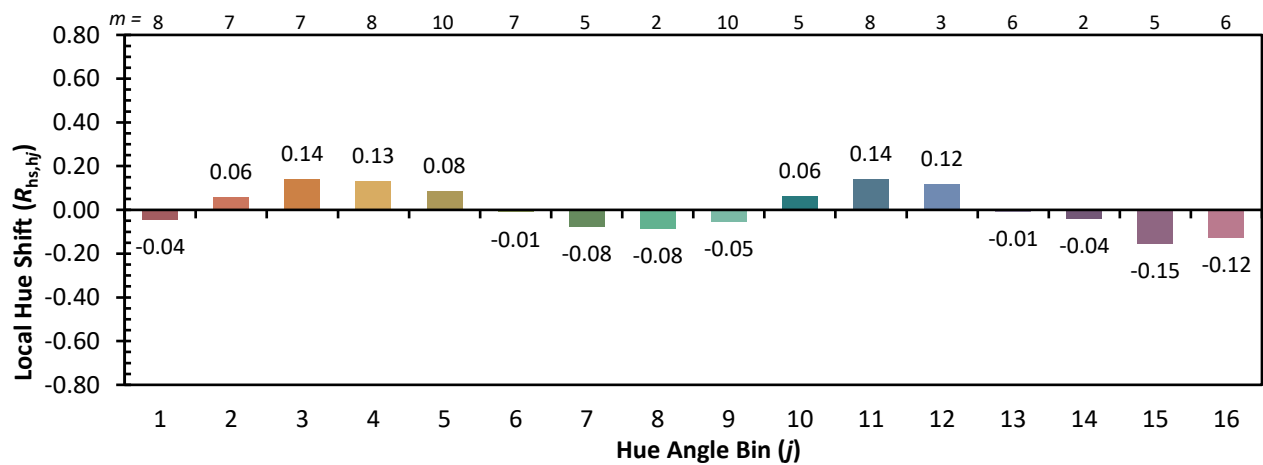
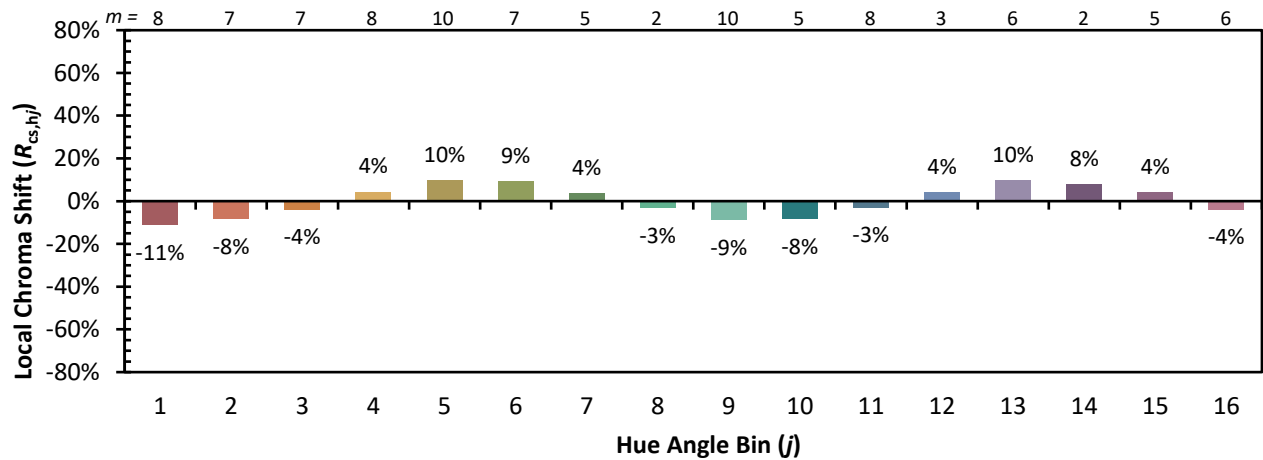


Individual Sample Fidelity Index ($R_{f,i}$)

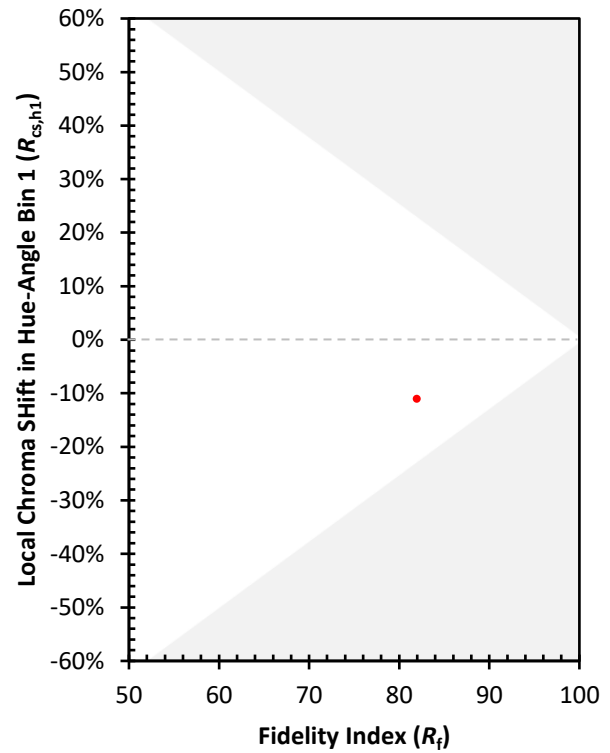
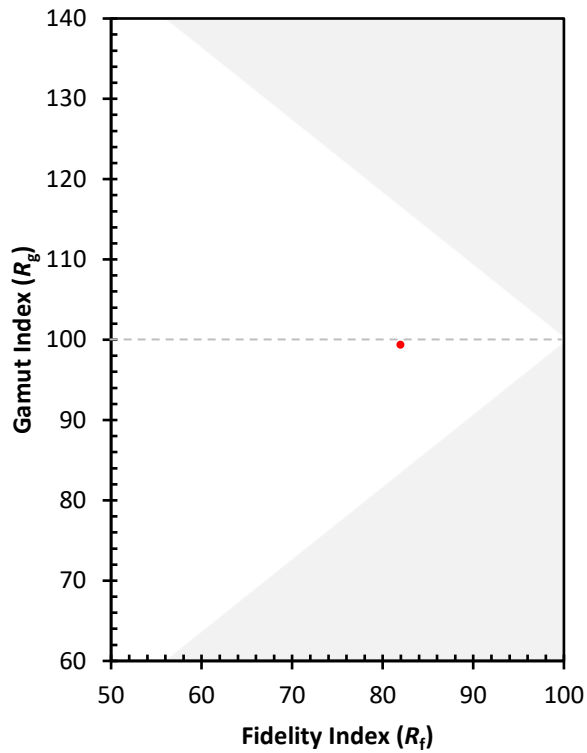
CES01 = 85	CES26 = 73	CES51 = 92	CES76 = 66
CES02 = 60	CES27 = 90	CES52 = 93	CES77 = 80
CES03 = 30	CES28 = 87	CES53 = 84	CES78 = 65
CES04 = 69	CES29 = 69	CES54 = 88	CES79 = 87
CES05 = 47	CES30 = 73	CES55 = 88	CES80 = 83
CES06 = 50	CES31 = 72	CES56 = 80	CES81 = 84
CES07 = 40	CES32 = 69	CES57 = 78	CES82 = 93
CES08 = 39	CES33 = 75	CES58 = 80	CES83 = 90
CES09 = 29	CES34 = 78	CES59 = 93	CES84 = 92
CES10 = 73	CES35 = 88	CES60 = 95	CES85 = 87
CES11 = 56	CES36 = 98	CES61 = 93	CES86 = 80
CES12 = 62	CES37 = 85	CES62 = 88	CES87 = 84
CES13 = 42	CES38 = 81	CES63 = 83	CES88 = 85
CES14 = 74	CES39 = 93	CES64 = 83	CES89 = 80
CES15 = 71	CES40 = 88	CES65 = 77	CES90 = 83
CES16 = 46	CES41 = 89	CES66 = 81	CES91 = 89
CES17 = 48	CES42 = 82	CES67 = 80	CES92 = 73
CES18 = 55	CES43 = 80	CES68 = 83	CES93 = 85
CES19 = 70	CES44 = 99	CES69 = 89	CES94 = 67
CES20 = 64	CES45 = 87	CES70 = 75	CES95 = 78
CES21 = 85	CES46 = 85	CES71 = 73	CES96 = 84
CES22 = 77	CES47 = 82	CES72 = 91	CES97 = 87
CES23 = 91	CES48 = 78	CES73 = 67	CES98 = 81
CES24 = 90	CES49 = 84	CES74 = 98	CES99 = 74
CES25 = 71	CES50 = 91	CES75 = 70	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)