

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: P1049258

Luminaire Tested: **GALN-SA4B-850-U-RBC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1049258
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA4B-850-U-RBC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 800mA 4xLight Square PACKAGE
80CRI 5000K FIXTURE w/ RIGHT CORNER BACKLIGHT CONTROL
Light Source: (56) 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14978.1 lumens
Efficiency: N/A
Efficacy: 103.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G3

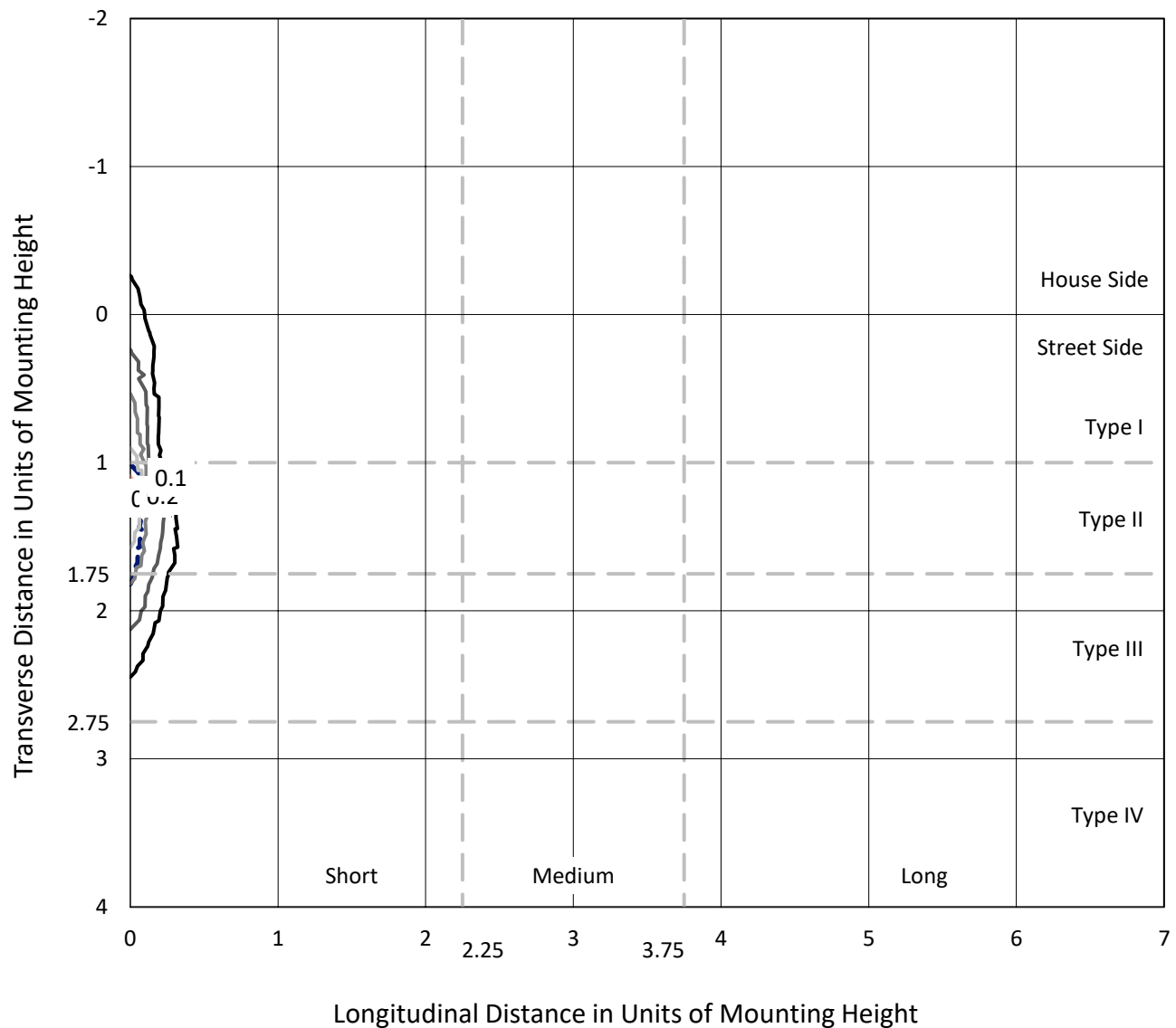
Input Watts (W): 144.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

REPORT NUMBER: P1049258

CATALOG NUMBER: GALN-SA4B-850-U-RBC

Iso-Footcandle Lines of Horizontal Illumination

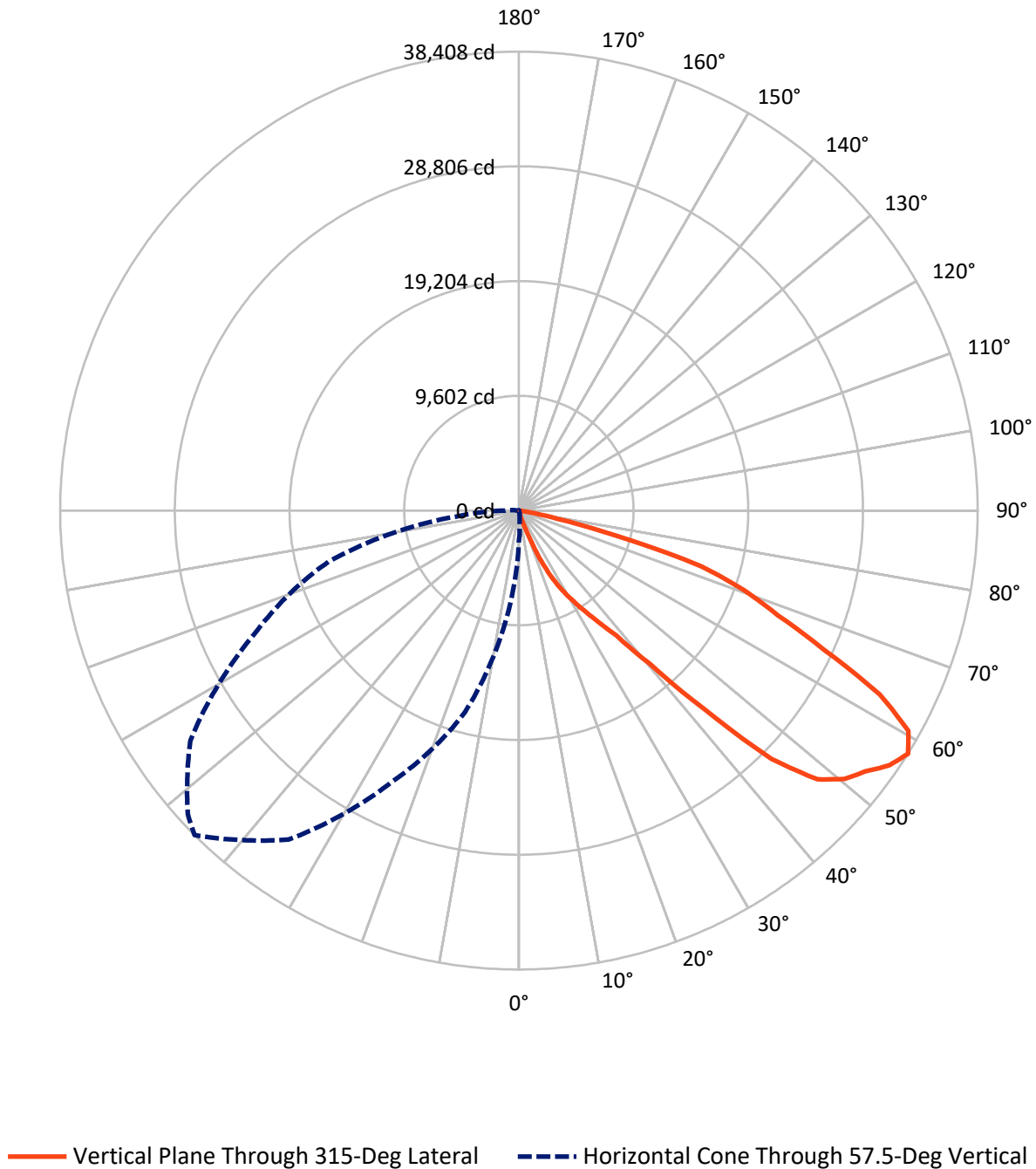
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 2.2 fc
 Type III - Short - N/A

REPORT NUMBER: P1049258
CATALOG NUMBER: GALN-SA4B-850-U-RBC

Luminous Intensity Polar Plot



REPORT NUMBER: P1049258

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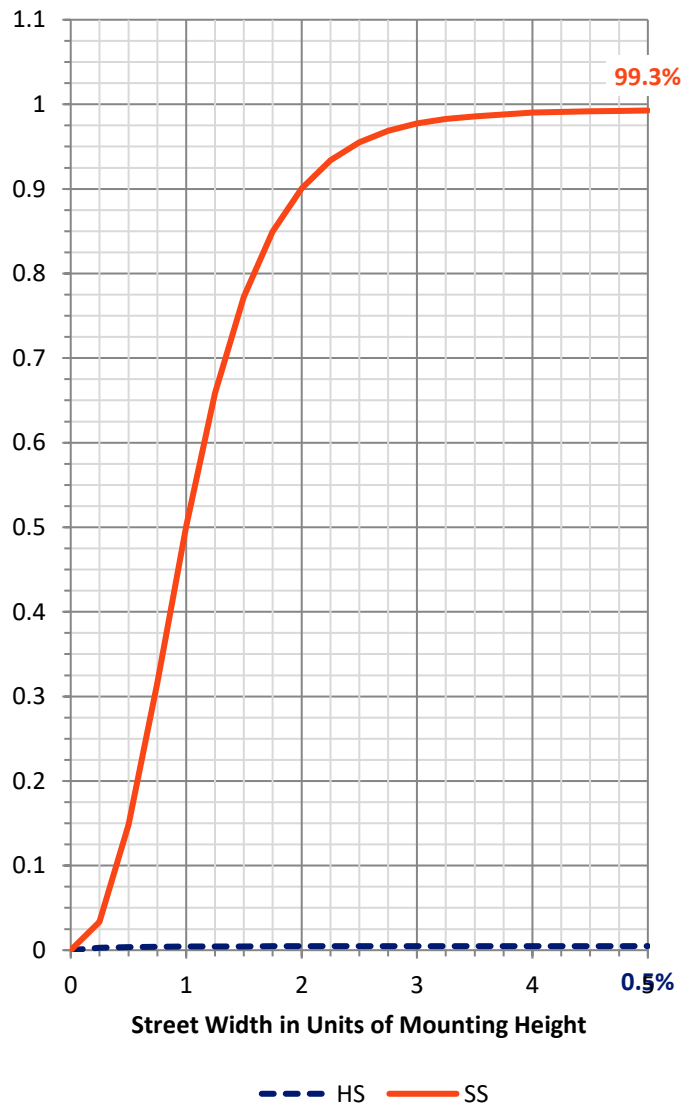
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	75.0	0.0	75.0
	% Fixture	0.5	0.0	0.5
Street Side	Lumens	14903.1	0.0	14903.1
	% Fixture	99.5	0.0	99.5
Total	Lumens	14978.1	0.0	14978.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.9	0.0
10°-20°	32.9	0.2
20°-30°	355.0	2.4
30°-40°	1049.7	7.0
40°-50°	3128.3	20.9
50°-60°	4960.4	33.1
60°-70°	4140.7	27.6
70°-80°	1276.8	8.5
80°-90°	28.4	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°	14978.1	100.0
0°-180°	14978.1	100.0



REPORT NUMBER: P1049258

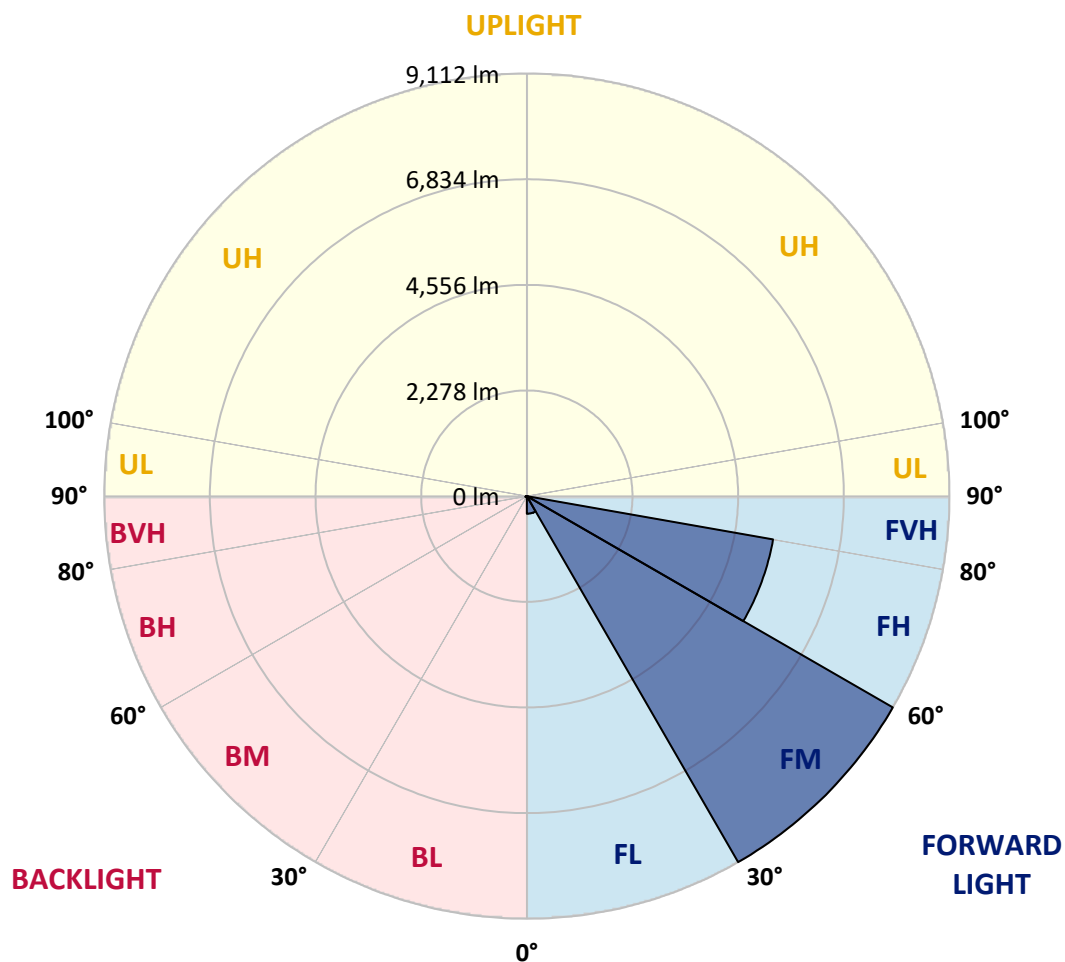
CATALOG NUMBER: GALN-SA4B-850-U-RBC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	380.0	2.5			
FM	(30°-60°)	911.6	60.8			
FH	(60°-80°)	5389.6	36.0			G3/7500
FVH	(80°-90°)	22.0	0.1			G1/100
BL	(0°-30°)	13.8	0.1	B0/110		
BM	(30°-60°)	26.8	0.2	B0/220		
BH	(60°-80°)	28.0	0.2	B0/110		G0/110
BVH	(80°-90°)	6.4	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-G3

Type III Short



REPORT NUMBER: P1049258

CATALOG NUMBER: GALN-SA4B-850-U-RBC

CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°
0°	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
2.5°	60.0	60.0	60.0	60.0	58.9	58.9	57.7	57.7	56.6	56.6
5°	63.4	63.4	62.3	61.1	61.1	60.0	58.9	57.7	57.7	56.6
7.5°	69.0	67.9	66.8	65.6	63.4	62.3	60.0	58.9	57.7	55.5
10°	75.8	73.6	71.3	69.0	66.8	64.5	62.3	61.1	58.9	57.7
12.5°	84.9	81.5	77.0	73.6	71.3	67.9	65.6	63.4	60.0	57.7
15°	92.8	88.3	82.6	78.1	74.7	70.2	66.8	63.4	61.1	57.7
17.5°	104.1	96.2	87.2	81.5	77.0	71.3	65.6	62.3	58.9	54.3
20°	123.4	107.5	90.6	83.8	77.0	70.2	63.4	58.9	55.5	50.9
22.5°	153.9	126.8	99.6	89.4	80.4	70.2	61.1	56.6	52.1	47.5
25°	212.8	164.1	115.5	101.9	88.3	74.7	61.1	55.5	50.9	45.3
27.5°	283.0	210.5	137.0	117.7	99.6	80.4	61.1	54.3	48.7	41.9
30°	354.3	258.1	160.7	135.8	110.9	86.0	61.1	53.2	46.4	38.5
32.5°	422.2	302.2	181.1	151.7	122.2	91.7	62.3	53.2	44.1	35.1
35°	491.2	338.4	184.5	153.9	123.4	91.7	61.1	50.9	41.9	31.7
37.5°	579.5	379.2	177.7	147.1	117.7	87.2	57.7	48.7	39.6	29.4
40°	713.1	447.1	181.1	149.4	117.7	86.0	54.3	45.3	37.4	28.3
42.5°	959.8	578.4	195.8	159.6	123.4	86.0	49.8	41.9	35.1	27.2
45°	1659.3	961.0	262.6	208.3	153.9	99.6	45.3	38.5	32.8	26.0
47.5°	2744.8	1608.4	472.0	364.5	258.1	150.5	44.1	38.5	32.8	26.0
50°	3503.2	2048.7	594.2	457.3	320.3	183.4	46.4	39.6	34.0	27.2
52.5°	3497.5	2080.4	662.2	508.2	355.4	201.5	48.7	41.9	36.2	29.4
55°	3109.3	1892.5	674.6	518.4	363.3	207.1	52.1	45.3	38.5	31.7
57.5°	2598.8	1607.3	615.7	476.5	338.4	199.2	60.0	52.1	45.3	37.4
60°	2055.5	1267.7	479.9	379.2	279.6	178.8	79.2	69.0	60.0	49.8
62.5°	1419.4	919.1	418.8	336.2	254.7	172.0	90.6	80.4	71.3	61.1
65°	1004.0	691.6	378.0	307.9	238.8	168.7	98.5	87.2	77.0	65.6
67.5°	750.4	550.1	348.6	288.6	228.6	168.7	108.7	95.1	82.6	69.0
70°	575.0	451.6	327.1	278.4	230.9	182.2	133.6	114.3	96.2	77.0
72.5°	468.6	386.0	302.2	267.1	232.0	196.9	161.9	137.0	112.1	86.0
75°	388.2	330.5	272.8	243.4	215.1	185.6	156.2	133.6	112.1	89.4
77.5°	258.1	235.4	211.7	194.7	177.7	159.6	142.6	123.4	105.3	86.0
80°	90.6	87.2	83.8	90.6	97.3	104.1	110.9	97.3	84.9	71.3
82.5°	13.6	12.5	11.3	12.5	13.6	14.7	15.8	17.0	18.1	19.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

[illegible]



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CANDELA DISTRIBUTION (continued):

25°		27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°
0.0	0°	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
0.0	2.5°	55.5	55.5	54.3	54.3	54.3	53.2	53.2	52.1	52.1	52.1
0.0	5°	54.3	54.3	53.2	52.1	50.9	50.9	49.8	48.7	48.7	47.5
0.0	7.5°	53.2	52.1	50.9	49.8	48.7	47.5	46.4	45.3	45.3	44.1
0.0	10°	54.3	52.1	50.9	48.7	47.5	46.4	44.1	43.0	41.9	41.9
0.0	12.5°	52.1	50.9	48.7	46.4	45.3	43.0	41.9	39.6	38.5	38.5
0.0	15°	52.1	49.8	46.4	44.1	41.9	40.7	38.5	36.2	35.1	34.0
0.0	17.5°	48.7	46.4	43.0	40.7	38.5	36.2	34.0	31.7	30.6	29.4
0.0	20°	44.1	41.9	38.5	35.1	32.8	30.6	28.3	26.0	24.9	23.8
0.0	22.5°	39.6	37.4	34.0	30.6	28.3	26.0	22.6	20.4	19.2	17.0
0.0	25°	37.4	34.0	30.6	27.2	23.8	21.5	18.1	14.7	12.5	10.2
0.0	27.5°	31.7	28.3	24.9	21.5	18.1	14.7	11.3	7.9	5.7	4.5
0.0	30°	27.2	23.8	20.4	17.0	12.5	9.1	5.7	1.1	1.1	1.1
0.0	32.5°	22.6	19.2	14.7	11.3	9.1	5.7	3.4	0.0	0.0	0.0
0.0	35°	18.1	14.7	10.2	6.8	5.7	3.4	2.3	0.0	0.0	0.0
0.0	37.5°	15.8	12.5	7.9	3.4	2.3	2.3	1.1	0.0	0.0	0.0
0.0	40°	14.7	10.2	5.7	1.1	1.1	1.1	0.0	0.0	0.0	0.0
0.0	42.5°	14.7	10.2	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	14.7	10.2	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	14.7	10.2	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	15.8	11.3	5.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	18.1	13.6	9.1	4.5	3.4	2.3	1.1	0.0	0.0	0.0
0.0	55°	22.6	20.4	17.0	14.7	11.3	7.9	3.4	0.0	0.0	0.0
0.0	57.5°	29.4	29.4	28.3	27.2	20.4	13.6	6.8	0.0	0.0	0.0
0.0	60°	39.6	39.6	39.6	39.6	29.4	20.4	10.2	0.0	0.0	0.0
0.0	62.5°	48.7	46.4	43.0	40.7	30.6	20.4	10.2	0.0	0.0	0.0
0.0	65°	48.7	44.1	38.5	32.8	24.9	17.0	7.9	0.0	0.0	0.0
0.0	67.5°	45.3	36.2	26.0	17.0	12.5	9.1	4.5	0.0	0.0	0.0
	70°	45.3	31.7	18.1	4.5	3.4	2.3	1.1	0.0	0.0	0.0
	72.5°	45.3	30.6	14.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	75°	49.8	34.0	17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	77.5°	49.8	34.0	17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	80°	44.1	29.4	14.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	82.5°	14.7	10.2	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

[illegible]

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CANDELA DISTRIBUTION (continued):

52.5°		55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°
0.0	0°	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
0.0	2.5°	50.9	50.9	50.9	49.8	49.8	49.8	49.8	48.7	48.7	48.7
0.0	5°	46.4	46.4	45.3	45.3	44.1	44.1	43.0	43.0	41.9	41.9
0.0	7.5°	43.0	41.9	41.9	40.7	39.6	39.6	38.5	38.5	37.4	36.2
0.0	10°	39.6	38.5	38.5	37.4	36.2	35.1	35.1	34.0	32.8	31.7
0.0	12.5°	36.2	35.1	34.0	32.8	31.7	30.6	30.6	29.4	28.3	27.2
0.0	15°	31.7	30.6	29.4	28.3	27.2	26.0	26.0	24.9	23.8	22.6
0.0	17.5°	27.2	26.0	26.0	24.9	23.8	22.6	21.5	19.2	18.1	17.0
0.0	20°	20.4	19.2	18.1	17.0	15.8	13.6	12.5	10.2	7.9	6.8
0.0	22.5°	13.6	11.3	10.2	7.9	5.7	4.5	3.4	1.1	0.0	0.0
0.0	25°	4.5	3.4	2.3	1.1	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: P1049258

CATALOG NUMBER: GALN-SA4B-850-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]



REPORT NUMBER: P1049258

CATALOG NUMBER: GALN-SA4B-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°	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
0.0	2.5°	47.5	47.5	47.5	46.4	46.4	46.4	46.4	46.4	46.4	46.4
0.0	5°	40.7	40.7	40.7	39.6	39.6	38.5	38.5	38.5	37.4	37.4
0.0	7.5°	35.1	34.0	34.0	32.8	32.8	31.7	31.7	31.7	30.6	30.6
0.0	10°	29.4	28.3	28.3	27.2	27.2	26.0	26.0	24.9	24.9	23.8
0.0	12.5°	26.0	24.9	23.8	22.6	22.6	21.5	20.4	20.4	19.2	18.1
0.0	15°	20.4	19.2	18.1	17.0	15.8	14.7	13.6	13.6	12.5	11.3
0.0	17.5°	13.6	11.3	10.2	9.1	9.1	7.9	6.8	5.7	4.5	3.4
0.0	20°	3.4	2.3	1.1	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: P1049258

CATALOG NUMBER: GALN-SA4B-850-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049258

CATALOG NUMBER: GALN-SA4B-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°	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
0.0	2.5°	46.4	45.3	45.3	45.3	46.4	46.4	46.4	46.4	46.4	46.4
0.0	5°	37.4	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2
0.0	7.5°	30.6	29.4	29.4	29.4	29.4	28.3	28.3	28.3	28.3	28.3
0.0	10°	23.8	22.6	22.6	22.6	22.6	21.5	21.5	21.5	21.5	21.5
0.0	12.5°	17.0	17.0	15.8	15.8	15.8	14.7	14.7	14.7	14.7	13.6
0.0	15°	10.2	9.1	7.9	7.9	7.9	6.8	6.8	6.8	6.8	5.7
0.0	17.5°	2.3	2.3	1.1	1.1	1.1	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-SA4B-850-U-RBC

[illegible]

REPORT NUMBER: P1049258

CATALOG NUMBER: GALN-SA4B-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°	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
0.0	2.5°	47.5	47.5	48.7	48.7	49.8	52.1	53.2	54.3	56.6	58.9
0.0	5°	37.4	38.5	38.5	39.6	40.7	41.9	43.0	44.1	46.4	48.7
0.0	7.5°	29.4	29.4	30.6	30.6	31.7	34.0	35.1	36.2	38.5	41.9
0.0	10°	22.6	22.6	23.8	23.8	24.9	27.2	28.3	29.4	31.7	35.1
0.0	12.5°	14.7	15.8	15.8	17.0	18.1	20.4	21.5	22.6	24.9	27.2
0.0	15°	6.8	7.9	7.9	9.1	10.2	12.5	13.6	14.7	17.0	20.4
0.0	17.5°	1.1	1.1	2.3	2.3	3.4	4.5	5.7	6.8	10.2	12.5
0.0	20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	4.5
0.0	22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
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: P1049258

CATALOG NUMBER: GALN-SA4B-850-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049258

CATALOG NUMBER: GALN-SA4B-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°	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
0.0	2.5°	62.3	64.5	66.8	69.0	71.3	73.6	74.7	77.0	78.1	79.2
0.0	5°	53.2	55.5	58.9	61.1	63.4	65.6	67.9	69.0	70.2	71.3
0.0	7.5°	46.4	48.7	52.1	54.3	56.6	58.9	61.1	63.4	64.5	65.6
0.0	10°	39.6	43.0	45.3	48.7	50.9	53.2	55.5	57.7	60.0	61.1
0.0	12.5°	31.7	35.1	38.5	40.7	44.1	47.5	49.8	52.1	54.3	56.6
0.0	15°	24.9	28.3	31.7	34.0	37.4	40.7	44.1	46.4	48.7	50.9
0.0	17.5°	18.1	21.5	24.9	27.2	30.6	34.0	36.2	39.6	41.9	44.1
0.0	20°	9.1	12.5	15.8	19.2	22.6	26.0	28.3	31.7	34.0	36.2
0.0	22.5°	1.1	4.5	7.9	10.2	13.6	17.0	19.2	22.6	24.9	27.2
0.0	25°	0.0	1.1	3.4	4.5	5.7	7.9	10.2	12.5	14.7	17.0
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	1.1	2.3	4.5	6.8	9.1
0.0	30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
0.0	32.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
	82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	2.3
	85°	0.0	0.0	0.0	0.0	0.0	2.3	3.4	5.7	6.8	7.9
	87.5°	0.0	1.1	2.3	3.4	4.5	6.8	9.1	11.3	12.5	13.6
	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1049258

CATALOG NUMBER: GALN-SA4B-850-U-RBC

CANDELA DISTRIBUTION (continued):

190°		165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°
65.6	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
79.2	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.4	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66.8	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
63.4	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.7	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
53.2	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38.5	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29.4	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20.4	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.3	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.4	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											
1.1											
4.5											
10.2											
14.7											
0.0											
0.0											
0.0											
0.0											
0.0											
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0.0											
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0.0											
0.0											
0.0											

REPORT NUMBER: P1049258

CATALOG NUMBER: GALN-SA4B-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°	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
0.0	2.5°	80.4	80.4	80.4	80.4	79.2	79.2	79.2	78.1	78.1	77.0
0.0	5°	73.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	73.6	73.6
0.0	7.5°	67.9	69.0	70.2	70.2	71.3	71.3	71.3	70.2	70.2	69.0
0.0	10°	64.5	65.6	65.6	66.8	66.8	66.8	66.8	66.8	66.8	66.8
0.0	12.5°	60.0	61.1	62.3	62.3	63.4	63.4	63.4	63.4	62.3	62.3
0.0	15°	54.3	56.6	57.7	58.9	58.9	60.0	60.0	60.0	60.0	60.0
0.0	17.5°	49.8	52.1	53.2	54.3	54.3	55.5	55.5	56.6	56.6	56.6
0.0	20°	40.7	43.0	44.1	46.4	47.5	48.7	49.8	50.9	50.9	52.1
0.0	22.5°	31.7	34.0	35.1	37.4	38.5	39.6	40.7	41.9	43.0	44.1
0.0	25°	22.6	24.9	26.0	28.3	29.4	30.6	31.7	32.8	32.8	34.0
0.0	27.5°	12.5	14.7	17.0	18.1	20.4	21.5	22.6	23.8	24.9	26.0
0.0	30°	5.7	6.8	7.9	10.2	11.3	12.5	13.6	15.8	17.0	18.1
0.0	32.5°	0.0	0.0	1.1	3.4	4.5	5.7	6.8	7.9	7.9	9.1
0.0	35°	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.3	3.4	4.5
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°	2.3	2.3	2.3	3.4	3.4	3.4	3.4	3.4	3.4	3.4
	82.5°	5.7	6.8	7.9	7.9	9.1	9.1	9.1	9.1	7.9	7.9
	85°	11.3	12.5	13.6	13.6	14.7	14.7	14.7	14.7	14.7	14.7
	87.5°	15.8	17.0	18.1	18.1	19.2	19.2	19.2	19.2	19.2	19.2
	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: P1049258

CATALOG NUMBER: GALN-SA4B-850-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049258

CATALOG NUMBER: GALN-SA4B-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°	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
0.0	2.5°	75.8	75.8	74.7	74.7	74.7	74.7	74.7	75.8	77.0	77.0
0.0	5°	72.4	72.4	71.3	71.3	71.3	72.4	72.4	73.6	74.7	75.8
0.0	7.5°	69.0	67.9	67.9	69.0	69.0	70.2	70.2	71.3	72.4	73.6
0.0	10°	66.8	65.6	65.6	65.6	66.8	66.8	67.9	69.0	70.2	71.3
0.0	12.5°	62.3	62.3	62.3	62.3	63.4	63.4	64.5	65.6	67.9	69.0
0.0	15°	60.0	58.9	58.9	58.9	58.9	60.0	60.0	62.3	64.5	65.6
0.0	17.5°	55.5	55.5	54.3	54.3	55.5	55.5	56.6	58.9	61.1	62.3
0.0	20°	50.9	49.8	48.7	48.7	49.8	49.8	50.9	53.2	55.5	56.6
0.0	22.5°	44.1	43.0	43.0	43.0	43.0	44.1	44.1	46.4	49.8	52.1
0.0	25°	35.1	36.2	36.2	37.4	37.4	38.5	39.6	41.9	45.3	47.5
0.0	27.5°	27.2	28.3	28.3	30.6	31.7	32.8	34.0	37.4	40.7	43.0
0.0	30°	20.4	21.5	22.6	23.8	26.0	28.3	30.6	34.0	37.4	39.6
0.0	32.5°	12.5	14.7	15.8	18.1	20.4	22.6	24.9	28.3	32.8	36.2
0.0	35°	9.1	10.2	12.5	13.6	15.8	18.1	20.4	24.9	28.3	32.8
0.0	37.5°	4.5	6.8	9.1	11.3	13.6	15.8	18.1	22.6	27.2	30.6
0.0	40°	3.4	5.7	6.8	9.1	12.5	14.7	17.0	21.5	26.0	30.6
0.0	42.5°	2.3	3.4	4.5	7.9	10.2	13.6	17.0	21.5	26.0	30.6
0.0	45°	2.3	2.3	3.4	6.8	10.2	14.7	18.1	22.6	26.0	30.6
0.0	47.5°	2.3	3.4	4.5	9.1	11.3	14.7	18.1	21.5	26.0	29.4
0.0	50°	3.4	4.5	5.7	10.2	12.5	15.8	18.1	22.6	26.0	30.6
0.0	52.5°	2.3	3.4	4.5	9.1	12.5	17.0	20.4	24.9	29.4	32.8
0.0	55°	1.1	1.1	1.1	6.8	13.6	19.2	26.0	29.4	34.0	37.4
0.0	57.5°	0.0	0.0	0.0	4.5	13.6	21.5	29.4	34.0	38.5	41.9
0.0	60°	0.0	0.0	0.0	4.5	13.6	21.5	29.4	35.1	40.7	46.4
0.0	62.5°	0.0	0.0	0.0	4.5	11.3	18.1	24.9	34.0	44.1	53.2
0.0	65°	0.0	0.0	0.0	3.4	9.1	14.7	20.4	34.0	47.5	60.0
0.0	67.5°	0.0	0.0	0.0	3.4	9.1	13.6	19.2	34.0	47.5	62.3
	70°	0.0	0.0	0.0	3.4	9.1	14.7	20.4	34.0	47.5	61.1
	72.5°	0.0	0.0	0.0	3.4	10.2	15.8	22.6	34.0	45.3	56.6
	75°	0.0	0.0	0.0	4.5	10.2	17.0	23.8	34.0	44.1	53.2
	77.5°	0.0	0.0	0.0	3.4	10.2	15.8	22.6	32.8	43.0	52.1
	80°	3.4	2.3	2.3	5.7	10.2	14.7	19.2	29.4	40.7	50.9
	82.5°	6.8	6.8	5.7	7.9	10.2	13.6	17.0	26.0	36.2	45.3
	85°	13.6	13.6	12.5	13.6	13.6	14.7	15.8	20.4	24.9	29.4
	87.5°	18.1	18.1	17.0	17.0	17.0	15.8	15.8	15.8	15.8	14.7
	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: P1049258

CATALOG NUMBER: GALN-SA4B-850-U-RBC

CANDELA DISTRIBUTION (continued):

245°		220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°
65.6	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
78.1	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.0	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
74.7	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.4	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70.2	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.9	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
64.5	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58.9	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
54.3	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49.8	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
46.4	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43.0	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39.6	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36.2	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35.1	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35.1	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35.1	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34.0	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32.8	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34.0	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.4	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40.7	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
46.4	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.1	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.3	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
73.6	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75.8	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
74.7											
67.9											
63.4											
62.3											
61.1											
54.3											
34.0											
14.7											
0.0											
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REPORT NUMBER: P1049258

CATALOG NUMBER: GALN-SA4B-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°	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
0.0	2.5°	79.2	80.4	80.4	81.5	82.6	83.8	83.8	84.9	84.9	84.9
0.0	5°	78.1	80.4	81.5	82.6	83.8	84.9	86.0	87.2	88.3	88.3
0.0	7.5°	77.0	78.1	80.4	81.5	83.8	84.9	87.2	88.3	89.4	90.6
0.0	10°	74.7	77.0	79.2	81.5	83.8	86.0	88.3	90.6	92.8	93.9
0.0	12.5°	72.4	75.8	78.1	80.4	83.8	87.2	89.4	92.8	95.1	97.3
0.0	15°	71.3	73.6	77.0	79.2	83.8	88.3	91.7	96.2	100.7	104.1
0.0	17.5°	67.9	72.4	75.8	79.2	83.8	89.4	93.9	98.5	105.3	112.1
0.0	20°	63.4	66.8	71.3	74.7	81.5	87.2	93.9	99.6	109.8	120.0
0.0	22.5°	58.9	63.4	66.8	71.3	79.2	86.0	93.9	100.7	117.7	133.6
0.0	25°	54.3	60.0	64.5	69.0	78.1	87.2	96.2	105.3	133.6	161.9
0.0	27.5°	52.1	56.6	62.3	66.8	78.1	90.6	101.9	113.2	158.5	202.6
0.0	30°	48.7	54.3	58.9	64.5	79.2	93.9	108.7	123.4	192.4	261.5
0.0	32.5°	45.3	50.9	56.6	62.3	81.5	100.7	118.8	138.1	228.6	318.1
0.0	35°	41.9	48.7	54.3	60.0	84.9	110.9	135.8	160.7	261.5	361.1
0.0	37.5°	40.7	47.5	53.2	58.9	86.0	112.1	139.2	165.3	264.9	364.5
0.0	40°	41.9	47.5	54.3	60.0	82.6	105.3	126.8	149.4	253.5	356.5
0.0	42.5°	41.9	48.7	55.5	62.3	80.4	98.5	116.6	134.7	250.1	365.6
0.0	45°	40.7	47.5	54.3	61.1	78.1	93.9	110.9	126.8	270.5	413.1
0.0	47.5°	39.6	46.4	53.2	60.0	77.0	93.9	110.9	127.9	349.8	570.5
0.0	50°	39.6	46.4	52.1	57.7	78.1	99.6	120.0	140.4	509.3	877.2
0.0	52.5°	41.9	47.5	52.1	56.6	80.4	105.3	129.0	152.8	647.4	1140.9
0.0	55°	45.3	48.7	53.2	56.6	86.0	114.3	143.7	172.0	689.3	1206.6
0.0	57.5°	49.8	53.2	56.6	60.0	96.2	132.4	167.5	203.7	692.7	1180.6
0.0	60°	55.5	60.0	63.4	66.8	105.3	144.9	183.4	221.8	627.1	1031.1
0.0	62.5°	67.9	73.6	78.1	83.8	121.1	157.3	194.7	230.9	520.7	810.4
0.0	65°	78.1	82.6	87.2	91.7	127.9	165.3	201.5	237.7	441.4	645.2
0.0	67.5°	80.4	84.9	88.3	92.8	130.2	167.5	203.7	241.1	378.0	513.9
	70°	81.5	87.2	93.9	99.6	138.1	176.6	213.9	252.4	335.0	417.7
	72.5°	78.1	89.4	99.6	109.8	146.0	181.1	217.3	252.4	311.3	370.1
	75°	78.1	93.9	108.7	123.4	150.5	176.6	203.7	229.8	275.0	320.3
	77.5°	82.6	103.0	123.4	143.7	159.6	174.3	190.2	204.9	234.3	263.7
	80°	82.6	104.1	124.5	146.0	152.8	160.7	167.5	174.3	177.7	181.1
	82.5°	71.3	88.3	105.3	122.2	114.3	106.4	98.5	90.6	84.9	78.1
	85°	36.2	39.6	41.9	44.1	40.7	37.4	34.0	30.6	28.3	24.9
	87.5°	14.7	14.7	13.6	13.6	13.6	13.6	12.5	12.5	12.5	12.5
	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: P1049258

CATALOG NUMBER: GALN-SA4B-850-U-RBC

CANDELA DISTRIBUTION (continued):

272.5°		247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°
65.6	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
84.9	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.3	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
91.7	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
96.2	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100.7	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
109.8	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
121.1	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
139.2	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.7	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
241.1	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
335.0	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
453.9	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
567.1	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
644.0	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
701.8	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
759.5	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
872.7	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1099.1	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1675.2	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2566.0	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3230.4	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3304.0	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2981.4	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2549.0	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1992.1	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1505.4	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1111.5	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
786.7											
585.2											
425.6											
320.3											
180.0											
81.5											
23.8											
11.3											
0.0											
0.0											
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REPORT NUMBER: P1049258

CATALOG NUMBER: GALN-SA4B-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°	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
0.0	2.5°	84.9	83.8	83.8	82.6	81.5	80.4	79.2	78.1	77.0	75.8
0.0	5°	88.3	88.3	88.3	87.2	87.2	86.0	86.0	84.9	83.8	82.6
0.0	7.5°	91.7	92.8	92.8	93.9	93.9	93.9	93.9	92.8	92.8	92.8
0.0	10°	97.3	98.5	99.6	100.7	101.9	103.0	103.0	104.1	104.1	104.1
0.0	12.5°	104.1	107.5	109.8	113.2	115.5	118.8	121.1	124.5	126.8	129.0
0.0	15°	114.3	120.0	126.8	132.4	138.1	146.0	155.1	163.0	170.9	183.4
0.0	17.5°	129.0	147.1	165.3	182.2	200.3	240.0	279.6	318.1	357.7	415.4
0.0	20°	157.3	211.7	264.9	319.2	372.4	511.6	649.7	788.9	927.0	1075.3
0.0	22.5°	220.7	354.3	487.8	621.4	755.0	1045.9	1335.6	1626.5	1916.3	2257.0
0.0	25°	320.3	565.9	811.6	1056.0	1301.7	1756.7	2212.8	2667.9	3122.9	3565.4
0.0	27.5°	466.3	842.1	1217.9	1592.6	1968.3	2585.2	3203.2	3820.1	4437.0	4937.3
0.0	30°	646.3	1155.7	1665.0	2174.3	2683.7	3385.5	4087.2	4787.9	5489.6	6036.3
0.0	32.5°	816.1	1439.8	2063.4	2686.0	3309.6	4108.7	4909.0	5708.1	6507.2	7104.8
0.0	35°	927.0	1680.8	2435.8	3189.6	3943.5	4808.2	5673.0	6536.6	7401.4	8083.9
0.0	37.5°	1037.9	1908.4	2777.6	3648.1	4517.3	5467.0	6416.7	7366.3	8316.0	9159.2
0.0	40°	1162.4	2183.4	3203.2	4224.2	5244.0	6369.1	7493.1	8618.2	9742.1	10931.7
0.0	42.5°	1378.6	2639.6	3901.6	5162.5	6423.4	7911.9	9400.3	10887.6	12376.0	14073.8
0.0	45°	1785.0	3562.0	5340.2	7117.3	8894.3	10866.1	12839.0	14810.7	16782.4	19041.7
0.0	47.5°	2779.9	5224.8	7668.5	10113.4	12557.1	14686.2	16814.1	18943.2	21071.2	23321.3
0.0	50°	4253.6	7099.2	9944.7	12789.2	15634.7	17561.2	19486.5	21413.0	23338.3	25478.7
0.0	52.5°	5319.9	8284.3	11249.8	14214.2	17178.6	18917.2	20656.9	22395.5	24134.0	26134.1
0.0	55°	5400.2	8347.6	11296.2	14243.6	17191.1	18937.6	20684.0	22430.5	24177.0	26297.1
0.0	57.5°	4781.1	7704.7	10627.3	13550.9	16473.4	18462.2	20449.7	22438.5	24426.1	26718.1
0.0	60°	4066.9	6991.6	9915.3	12840.1	15763.7	18054.7	20346.7	22637.7	24928.6	27075.8
0.0	62.5°	3172.7	6181.2	9190.9	12199.4	15208.0	17534.0	19860.0	22184.9	24510.9	26121.6
0.0	65°	2364.5	5285.9	8207.3	11127.6	14048.9	15912.0	17775.1	19637.1	21500.1	22497.3
0.0	67.5°	1709.1	4228.7	6747.2	9266.7	11785.2	13118.5	14451.9	15784.1	17117.5	17880.4
	70°	1155.7	2901.0	4645.3	6390.6	8134.9	9230.5	10327.3	11423.0	12518.6	13548.7
	72.5°	800.2	1780.5	2761.8	3742.0	4722.2	5824.7	6926.0	8028.5	9129.8	10219.8
	75°	530.9	976.8	1423.9	1869.9	2315.8	3131.9	3949.1	4765.2	5581.3	6231.0
	77.5°	376.9	510.5	645.2	778.7	912.3	1065.1	1219.0	1371.8	1524.6	1756.7
	80°	178.8	195.8	212.8	228.6	245.6	301.1	356.5	412.0	467.5	526.3
	82.5°	84.9	91.7	98.5	104.1	110.9	116.6	122.2	127.9	133.6	127.9
	85°	22.6	22.6	23.8	23.8	23.8	23.8	23.8	23.8	23.8	22.6
	87.5°	10.2	10.2	10.2	10.2	10.2	10.2	10.2	9.1	9.1	7.9
	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1049258

CATALOG NUMBER: GALN-SA4B-850-U-RBC

CANDELA DISTRIBUTION (continued):

300°		275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°
65.6	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
74.7	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
81.5	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
91.7	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105.3	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130.2	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
196.9	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
472.0	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1224.7	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2597.7	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4008.0	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5437.6	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6584.2	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7703.6	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8766.4	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10003.6	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12121.3	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15771.7	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21300.9	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25571.5	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27619.1	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28134.1	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28418.2	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29010.2	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29221.8	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27733.4	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23495.6	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18644.4	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14577.5											
11309.8											
6880.7											
1988.7											
585.2											
121.1											
21.5											
7.9											
0.0											
0.0											
0.0											
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REPORT NUMBER: P1049258

CATALOG NUMBER: GALN-SA4B-850-U-RBC

CANDELA DISTRIBUTION (continued):

300°		302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°
0.0	0°	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
0.0	2.5°	73.6	72.4	71.3	70.2	69.0	66.8	66.8	65.6	65.6
0.0	5°	80.4	79.2	78.1	77.0	77.0	75.8	74.7	74.7	73.6
0.0	7.5°	91.7	90.6	89.4	88.3	88.3	87.2	87.2	86.0	86.0
0.0	10°	105.3	105.3	105.3	105.3	105.3	104.1	104.1	104.1	103.0
0.0	12.5°	132.4	133.6	135.8	138.1	141.5	141.5	141.5	140.4	140.4
0.0	15°	209.4	221.8	230.9	240.0	247.9	266.0	263.7	260.3	258.1
0.0	17.5°	529.7	586.3	616.9	646.3	676.9	760.6	747.0	733.5	721.0
0.0	20°	1373.0	1521.3	1619.7	1718.2	1817.8	1975.1	1936.7	1898.2	1859.7
0.0	22.5°	2937.2	3277.9	3426.2	3574.5	3721.6	3911.8	3788.4	3665.0	3542.8
0.0	25°	4449.4	4892.0	5142.1	5392.3	5641.3	5750.0	5589.2	5427.4	5266.7
0.0	27.5°	5937.9	6438.2	6658.9	6878.5	7099.2	7326.7	7127.5	6927.1	6727.9
0.0	30°	7130.9	7677.6	7916.4	8154.1	8392.9	8551.4	8345.4	8138.2	7932.2
0.0	32.5°	8301.2	8898.9	9160.3	9421.8	9682.1	9909.6	9656.1	9401.4	9147.9
0.0	35°	9447.8	10130.4	10490.3	10850.2	11210.2	11421.8	11120.8	10818.5	10517.5
0.0	37.5°	10846.8	11690.1	12093.0	12496.0	12899.0	13284.9	12953.3	12620.5	12288.9
0.0	40°	13311.0	14500.6	15118.6	15737.7	16355.7	16853.8	16435.0	16016.2	15597.4
0.0	42.5°	17469.5	19167.3	20055.9	20943.2	21831.8	22609.4	22169.1	21728.8	21288.5
0.0	45°	23560.2	25819.4	26902.6	27984.7	29067.9	29636.1	29002.3	28367.3	27733.4
0.0	47.5°	27820.6	30070.8	31035.1	31999.5	32963.9	33612.4	32837.1	32061.7	31287.5
0.0	50°	29758.4	31898.8	32866.5	33833.1	34800.9	35315.9	34420.6	33524.1	32628.8
0.0	52.5°	30133.0	32133.1	33287.6	34443.2	35597.8	36285.9	35228.8	34170.4	33113.3
0.0	55°	30538.2	32658.2	33997.3	35337.4	36676.4	37629.5	36434.2	35237.8	34042.5
0.0	57.5°	31301.1	33593.2	34928.8	36263.3	37598.9	38408.2	37209.6	36009.8	34811.1
0.0	60°	31369.0	33515.1	34662.8	35811.7	36959.4	37468.8	36322.2	35174.4	34027.8
0.0	62.5°	29344.1	30954.8	31751.6	32548.5	33345.3	33898.8	32702.4	31504.9	30308.5
0.0	65°	24492.8	25490.0	26125.0	26760.0	27395.0	28054.9	26959.2	25863.5	24767.9
0.0	67.5°	19407.3	20170.2	21006.6	21843.1	22679.6	23384.7	22507.5	21629.2	20752.0
	70°	15607.5	16636.4	17577.0	18517.6	19458.2	20035.5	19154.9	18273.1	17392.5
	72.5°	12399.8	13489.8	14275.3	15059.7	15845.2	15986.7	15339.3	14691.9	14045.5
	75°	7529.3	8179.0	8194.8	8209.6	8225.4	8360.1	7823.6	7287.1	6751.7
	77.5°	2220.8	2452.8	2644.1	2834.2	3025.5	3256.4	3059.5	2861.4	2664.5
	80°	642.9	701.8	751.6	800.2	850.0	820.6	774.2	727.8	681.4
	82.5°	115.5	108.7	107.5	106.4	106.4	100.7	91.7	82.6	73.6
	85°	20.4	19.2	18.1	17.0	15.8	14.7	12.5	11.3	9.1
	87.5°	6.8	5.7	4.5	3.4	3.4	1.1	1.1	1.1	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: P1049258

CATALOG NUMBER: GALN-SA4B-850-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049258

CATALOG NUMBER: GALN-SA4B-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°	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
0.0	0.0	2.5°	64.5	63.4	63.4	63.4	63.4	62.3	62.3	62.3	62.3
0.0	0.0	5°	71.3	71.3	70.2	70.2	69.0	69.0	67.9	67.9	66.8
0.0	0.0	7.5°	83.8	82.6	81.5	80.4	79.2	77.0	75.8	74.7	74.7
0.0	0.0	10°	100.7	98.5	97.3	95.1	93.9	91.7	89.4	87.2	84.9
0.0	0.0	12.5°	132.4	127.9	124.5	120.0	115.5	112.1	107.5	104.1	99.6
0.0	0.0	15°	229.8	218.5	206.0	191.3	175.4	160.7	144.9	135.8	125.6
0.0	0.0	17.5°	587.4	528.6	468.6	419.9	371.3	323.7	275.0	240.0	204.9
0.0	0.0	20°	1495.2	1332.2	1169.2	1008.5	846.6	685.9	524.1	442.6	361.1
0.0	0.0	22.5°	2813.9	2511.7	2208.3	1915.1	1620.9	1327.7	1034.5	850.0	666.7
0.0	0.0	25°	4343.0	3962.7	3582.4	3100.2	2616.9	2134.7	1652.6	1352.6	1052.7
0.0	0.0	27.5°	5651.5	5213.5	4775.4	4189.1	3602.8	3016.5	2430.2	1983.1	1537.1
0.0	0.0	30°	6784.5	6313.6	5842.8	5160.3	4477.7	3795.2	3112.7	2553.5	1994.4
0.0	0.0	32.5°	7767.0	7203.3	6639.6	5935.6	5231.6	4527.5	3823.5	3137.6	2451.7
0.0	0.0	35°	8900.0	8242.4	7583.6	6802.6	6020.5	5239.5	4458.5	3684.3	2908.9
0.0	0.0	37.5°	10339.8	9532.7	8724.6	7854.1	6983.7	6114.4	5244.0	4358.9	3473.8
0.0	0.0	40°	13095.9	12054.6	11013.2	9907.4	8800.4	7694.5	6588.7	5502.1	4415.5
0.0	0.0	42.5°	18034.3	16627.4	15220.4	13749.0	12276.4	10805.0	9332.4	7799.8	6266.1
0.0	0.0	45°	23607.7	21862.3	20115.8	18464.4	16811.9	15160.5	13509.0	11406.0	9303.0
0.0	0.0	47.5°	26741.9	24857.3	22972.7	21409.6	19846.5	18283.3	16720.2	14453.0	12185.9
0.0	0.0	50°	27895.3	25976.7	24058.2	22619.6	21179.8	19741.2	18301.4	16030.9	13759.2
0.0	0.0	52.5°	28140.9	26183.9	24226.8	22779.2	21331.5	19884.9	18437.3	16181.4	13925.6
0.0	0.0	55°	28645.7	26546.1	24445.3	22795.0	21144.7	19494.4	17844.2	15552.1	13260.0
0.0	0.0	57.5°	29305.6	27152.8	24999.9	23119.9	21239.8	19360.9	17480.8	14974.8	12468.8
0.0	0.0	60°	29132.4	27259.2	25384.8	23371.1	21356.4	19342.8	17328.0	14571.9	11814.6
0.0	0.0	62.5°	26126.1	24634.3	23141.4	21485.4	19828.3	18172.4	16516.5	13678.8	10841.2
0.0	0.0	65°	21493.3	20404.5	19315.6	17983.4	16650.0	15317.8	13985.6	11441.1	8897.7
0.0	0.0	67.5°	17419.7	16192.7	14964.6	13902.9	12840.1	11778.4	10715.5	8713.2	6710.9
		70°	13839.5	12505.1	11169.4	10132.6	9094.7	8057.9	7021.1	5690.0	4360.0
		72.5°	10990.6	9787.4	8584.2	7478.4	6371.4	5265.5	4158.5	3371.9	2585.2
		75°	5253.1	4772.0	4291.0	3712.6	3134.2	2555.8	1977.4	1634.4	1292.6
		77.5°	1946.8	1687.6	1427.3	1191.9	956.4	722.1	486.7	446.0	405.2
		80°	503.7	439.2	373.5	327.1	279.6	233.2	186.8	168.7	151.7
		82.5°	57.7	53.2	49.8	47.5	44.1	41.9	38.5	35.1	31.7
		85°	3.4	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1049258
CATALOG NUMBER: GALN-SA4B-850-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049258

CATALOG NUMBER: GALN-SA4B-850-U-RBC

CANDELA DISTRIBUTION (continued):

352.5°	355°		357.5°	360°
0.0	0.0	0°	65.6	65.6
0.0	0.0	2.5°	61.1	60.0
0.0	0.0	5°	64.5	63.4
0.0	0.0	7.5°	71.3	69.0
0.0	0.0	10°	78.1	75.8
0.0	0.0	12.5°	88.3	84.9
0.0	0.0	15°	99.6	92.8
0.0	0.0	17.5°	118.8	104.1
0.0	0.0	20°	160.7	123.4
0.0	0.0	22.5°	226.4	153.9
0.0	0.0	25°	332.8	212.8
0.0	0.0	27.5°	462.9	283.0
0.0	0.0	30°	615.7	354.3
0.0	0.0	32.5°	750.4	422.2
0.0	0.0	35°	925.9	491.2
0.0	0.0	37.5°	1142.1	579.5
0.0	0.0	40°	1477.1	713.1
0.0	0.0	42.5°	2080.4	959.8
0.0	0.0	45°	3378.7	1659.3
0.0	0.0	47.5°	5198.7	2744.8
0.0	0.0	50°	6360.1	3503.2
0.0	0.0	52.5°	6455.1	3497.5
0.0	0.0	55°	5892.6	3109.3
0.0	0.0	57.5°	5027.8	2598.8
0.0	0.0	60°	4178.9	2055.5
0.0	0.0	62.5°	3292.7	1419.4
0.0	0.0	65°	2406.4	1004.0
0.0	0.0	67.5°	1728.4	750.4
		70°	1136.4	575.0
		72.5°	740.3	468.6
		75°	498.0	388.2
		77.5°	290.9	258.1
		80°	103.0	90.6
		82.5°	19.2	13.6
		85°	0.0	0.0
		87.5°	0.0	0.0
		90°	0.0	0.0
		92.5°	0.0	0.0
		95°	0.0	0.0
		97.5°	0.0	0.0
		100°	0.0	0.0
		102.5°	0.0	0.0
		105°	0.0	0.0
		107.5°	0.0	0.0
		110°	0.0	0.0



REPORT NUMBER: P1049258

CATALOG NUMBER: GALN-SA4B-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

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

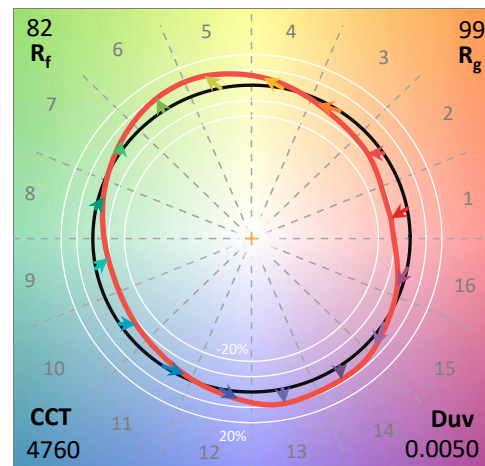
Test Information

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

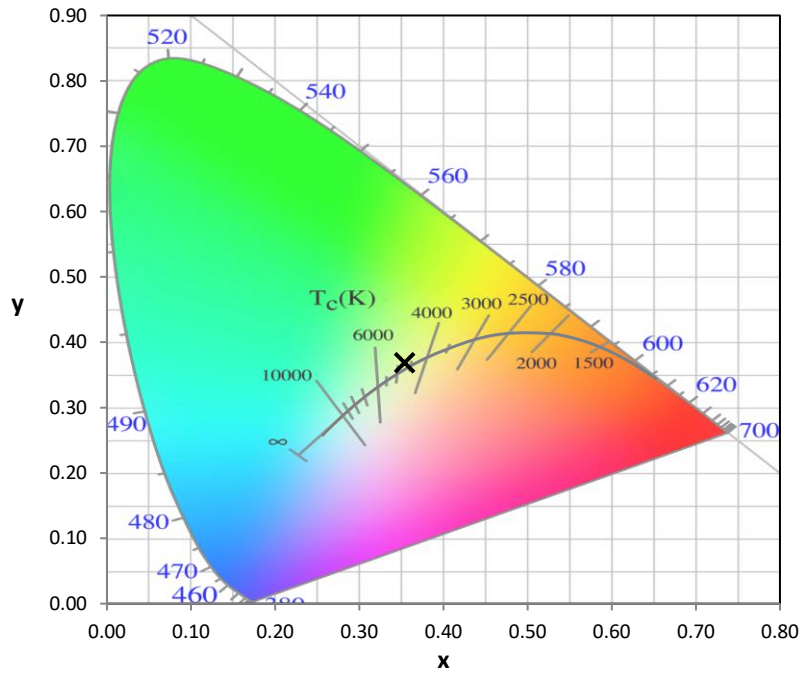
Stabilization Time: 21M
 Operation Time: 1H 21M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-12

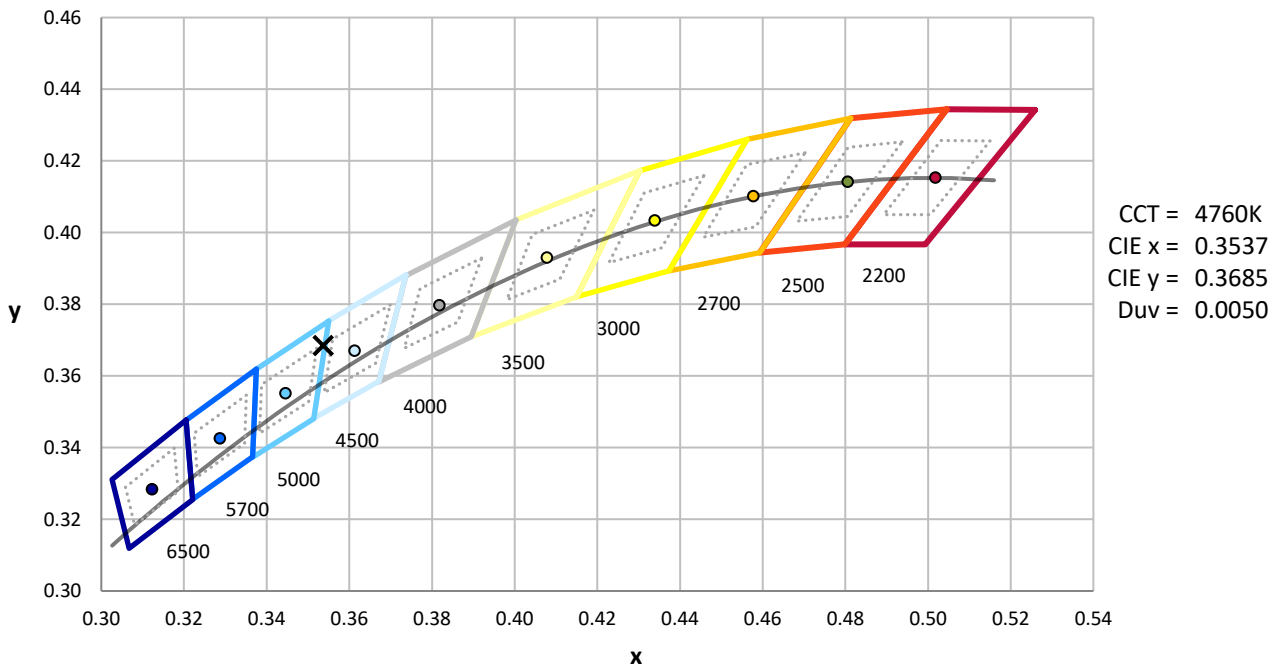
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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



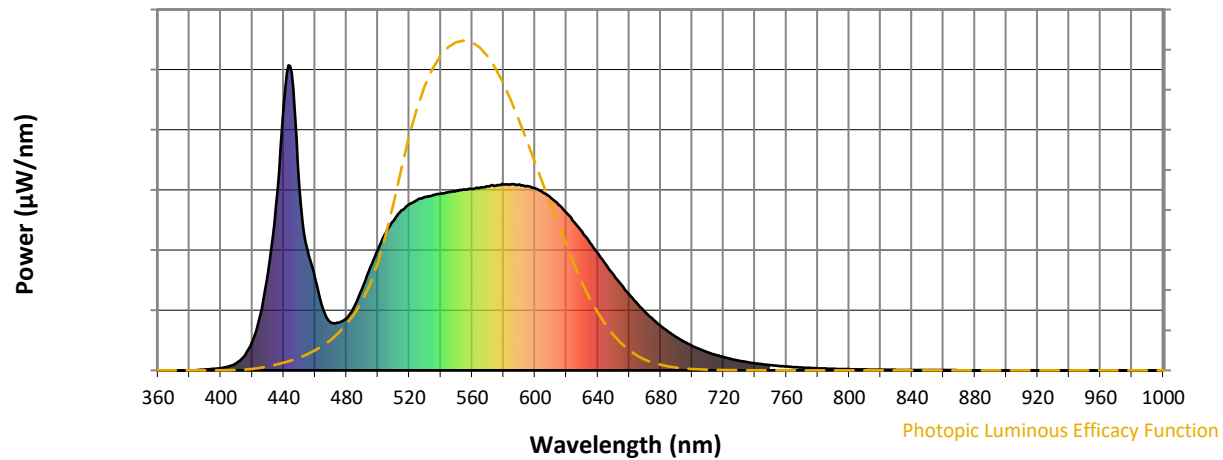
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 5000K 7-step quadrangle

REPORT NUMBER: SP1-2407-184-12

Photopic Flux vs. Wavelength

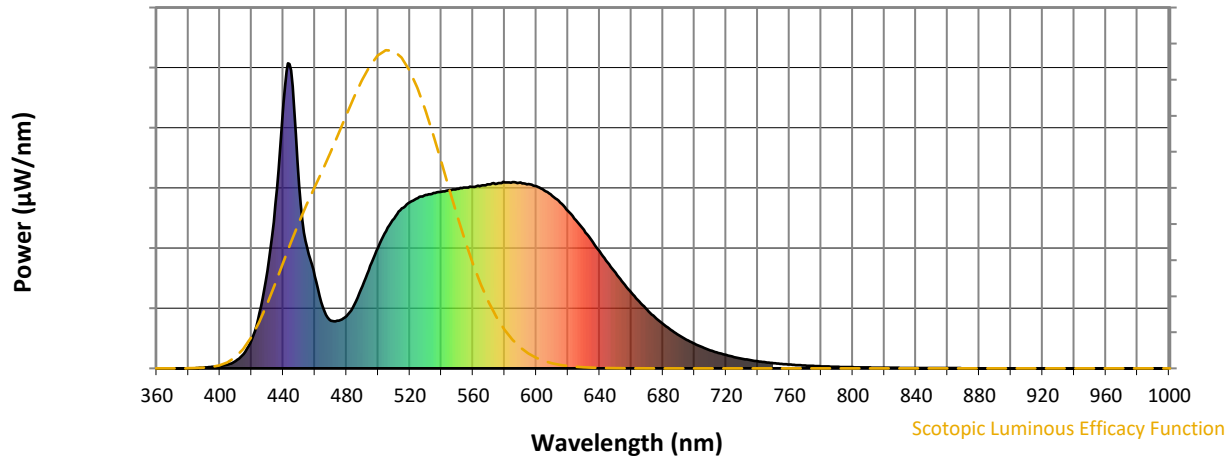


Photopic Lumens: NR

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



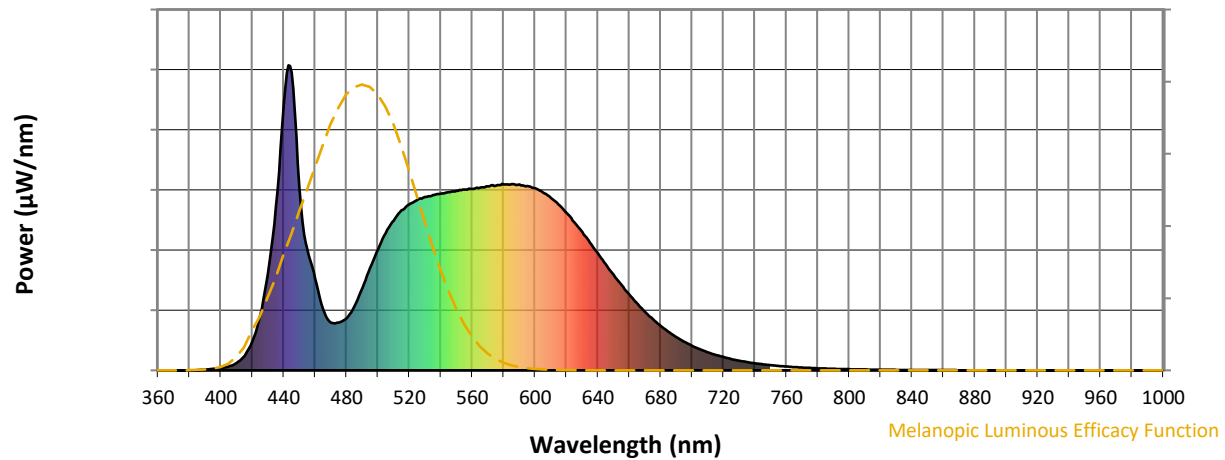
Scotopic Lumens: NR

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

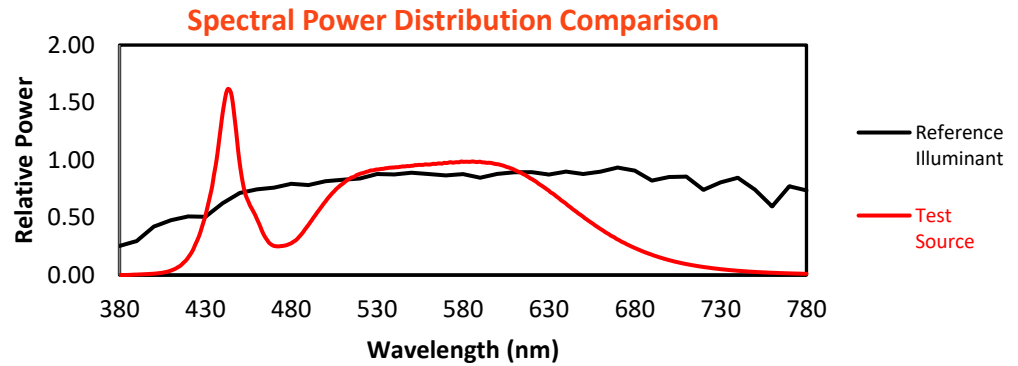
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	270	NR	620	517	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

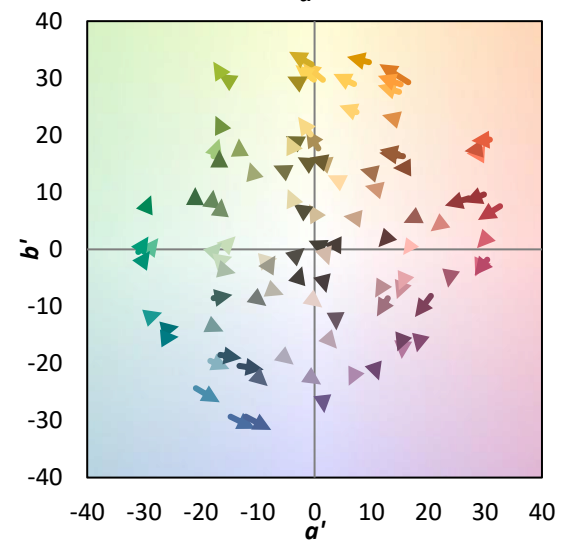
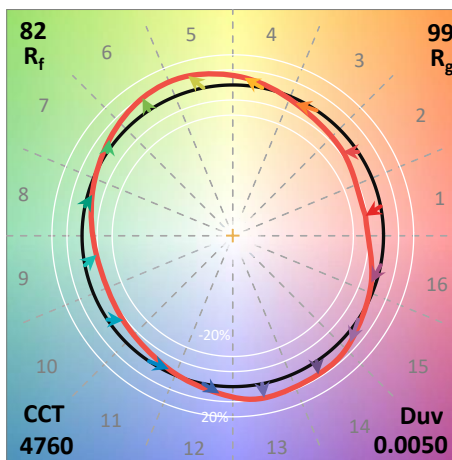
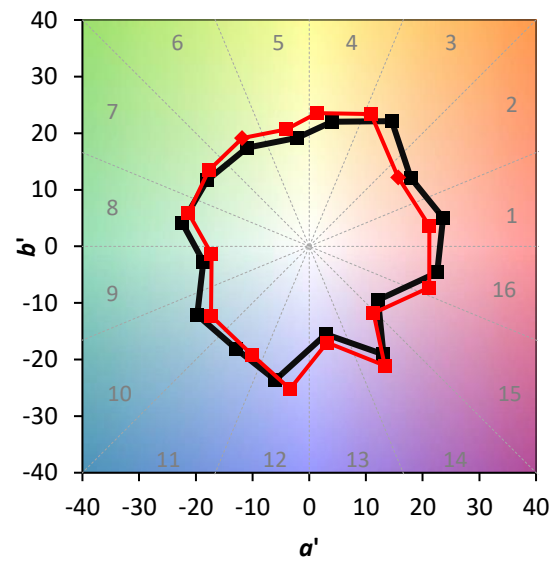
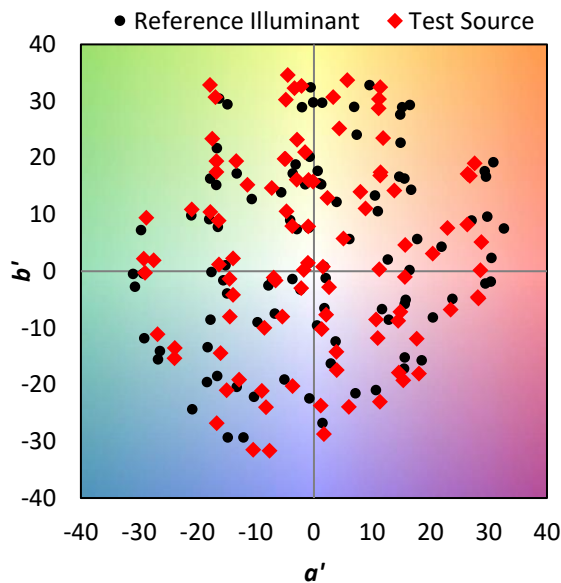
TM-30-18

Summary

$R_f = 82$
 $R_g = 99.4$
 $CIE R_a = 81.1$
 $R_9 = 8.7$

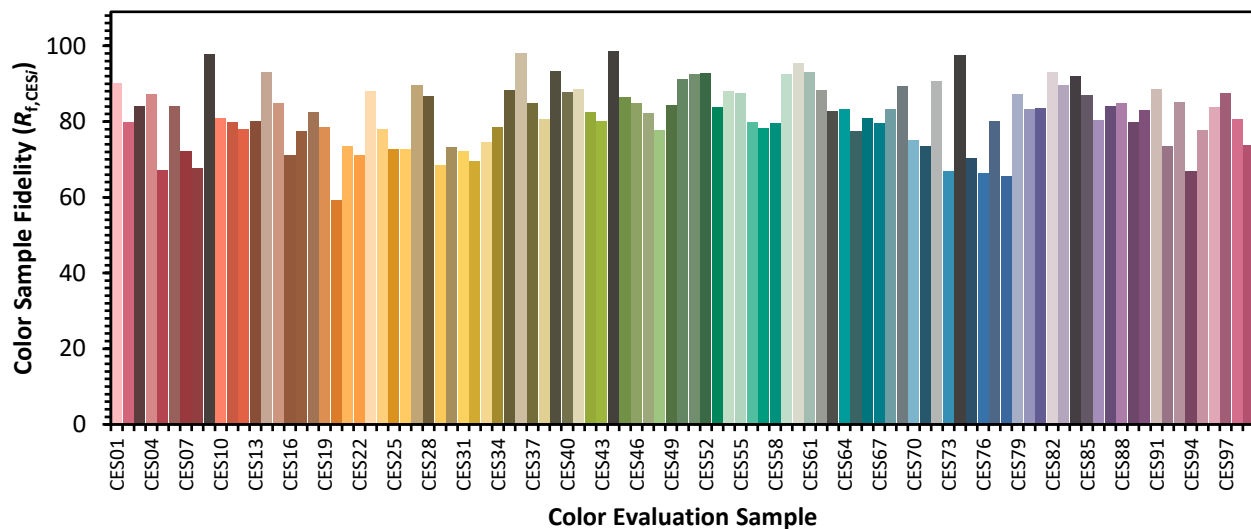


Color Vector Graphics

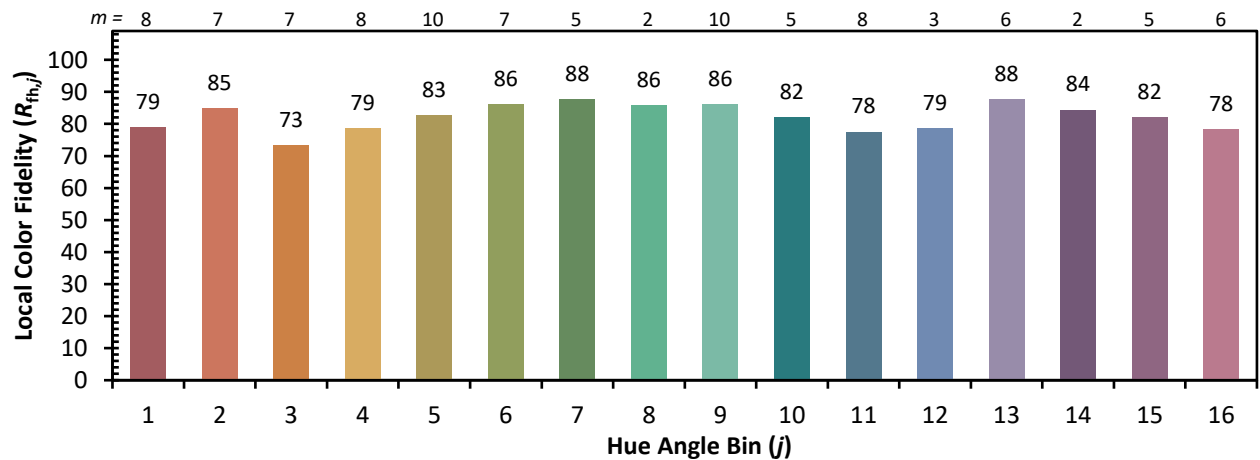
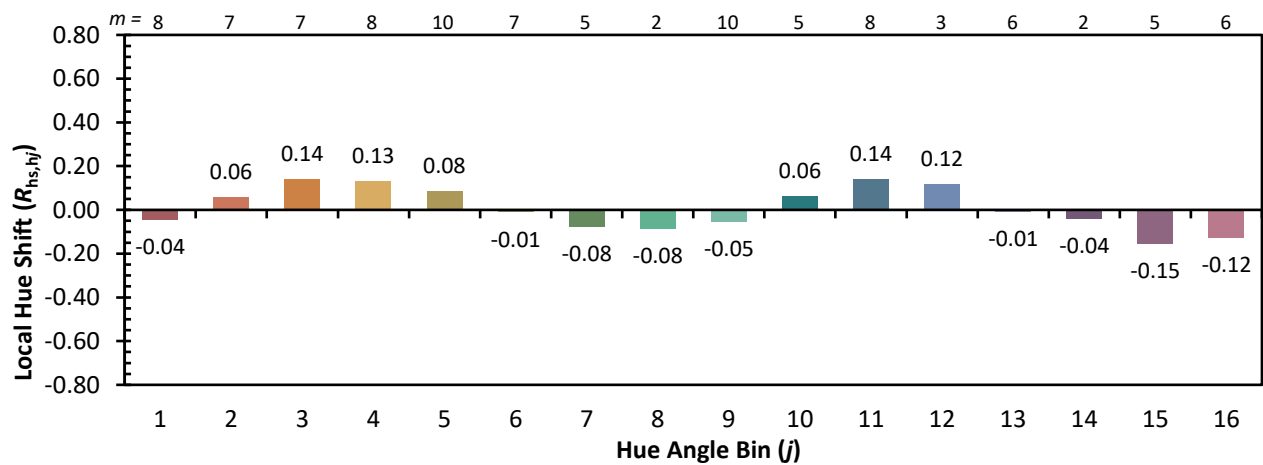
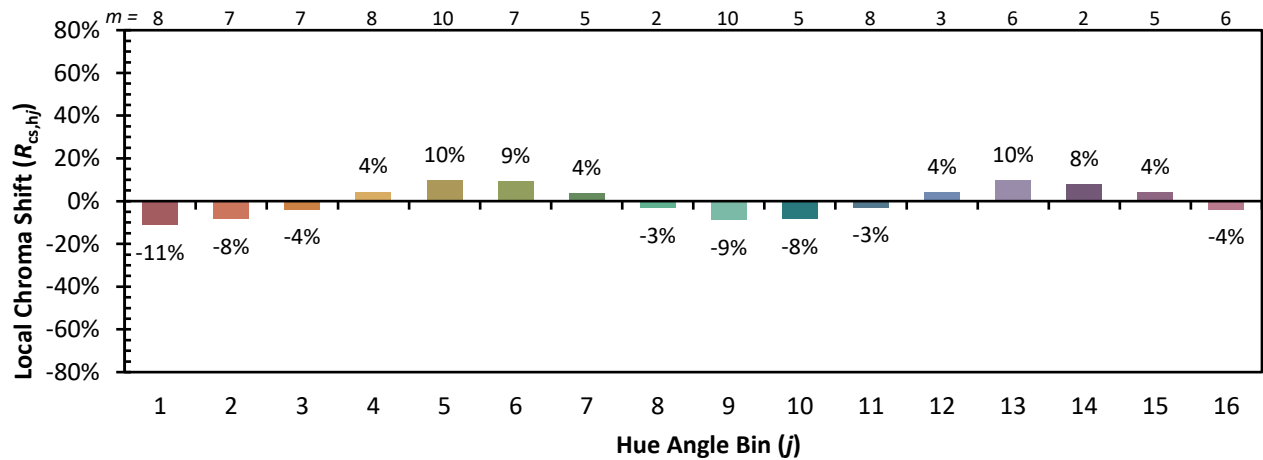


Individual Sample Fidelity Index ($R_{f,i}$)

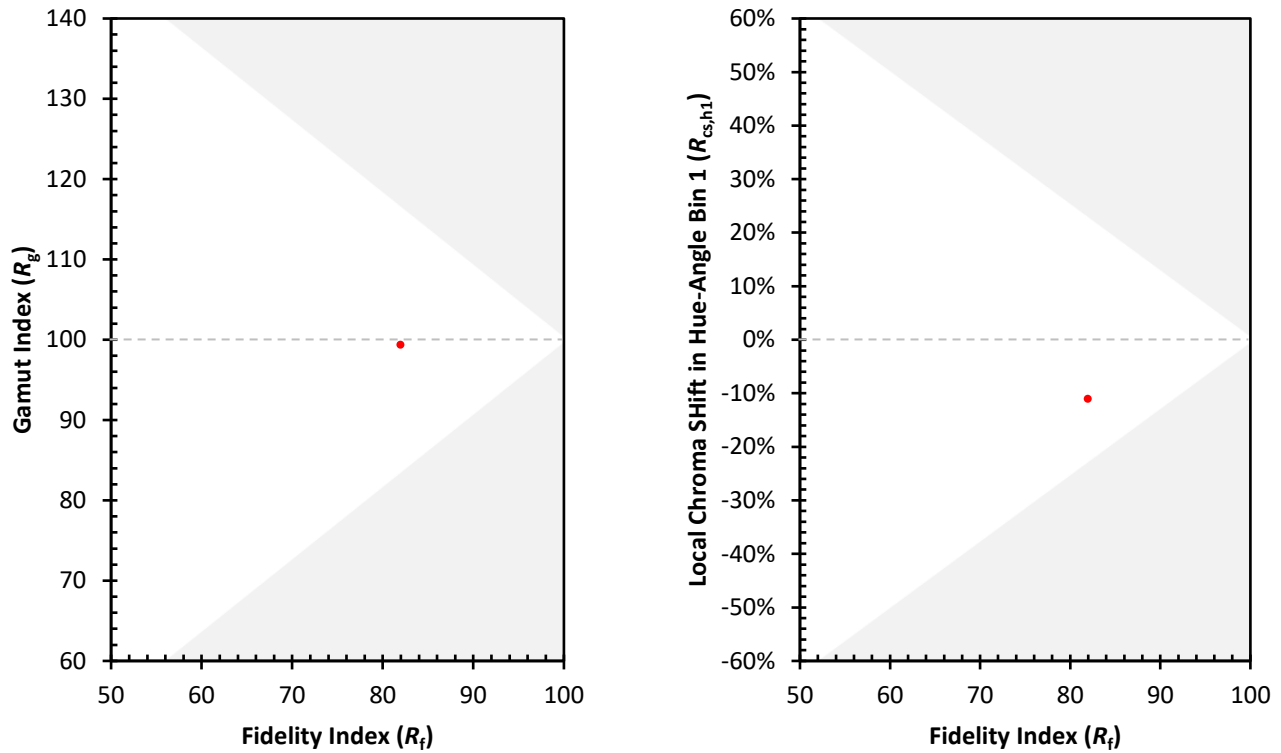
CES01 = 85	CES26 = 73	CES51 = 92	CES76 = 66
CES02 = 60	CES27 = 90	CES52 = 93	CES77 = 80
CES03 = 30	CES28 = 87	CES53 = 84	CES78 = 65
CES04 = 69	CES29 = 69	CES54 = 88	CES79 = 87
CES05 = 47	CES30 = 73	CES55 = 88	CES80 = 83
CES06 = 50	CES31 = 72	CES56 = 80	CES81 = 84
CES07 = 40	CES32 = 69	CES57 = 78	CES82 = 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)