

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: P1049146

Luminaire Tested: **GALN-SA3B-830-U-RBC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1049146
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA3B-830-U-RBC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 800mA 3xLight Square PACKAGE
80CRI 3000K FIXTURE w/ RIGHT CORNER BACKLIGHT CONTROL
Light Source: (42) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11525.2 lumens
Efficiency: N/A
Efficacy: 108.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G2

Input Watts (W): 106.2
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

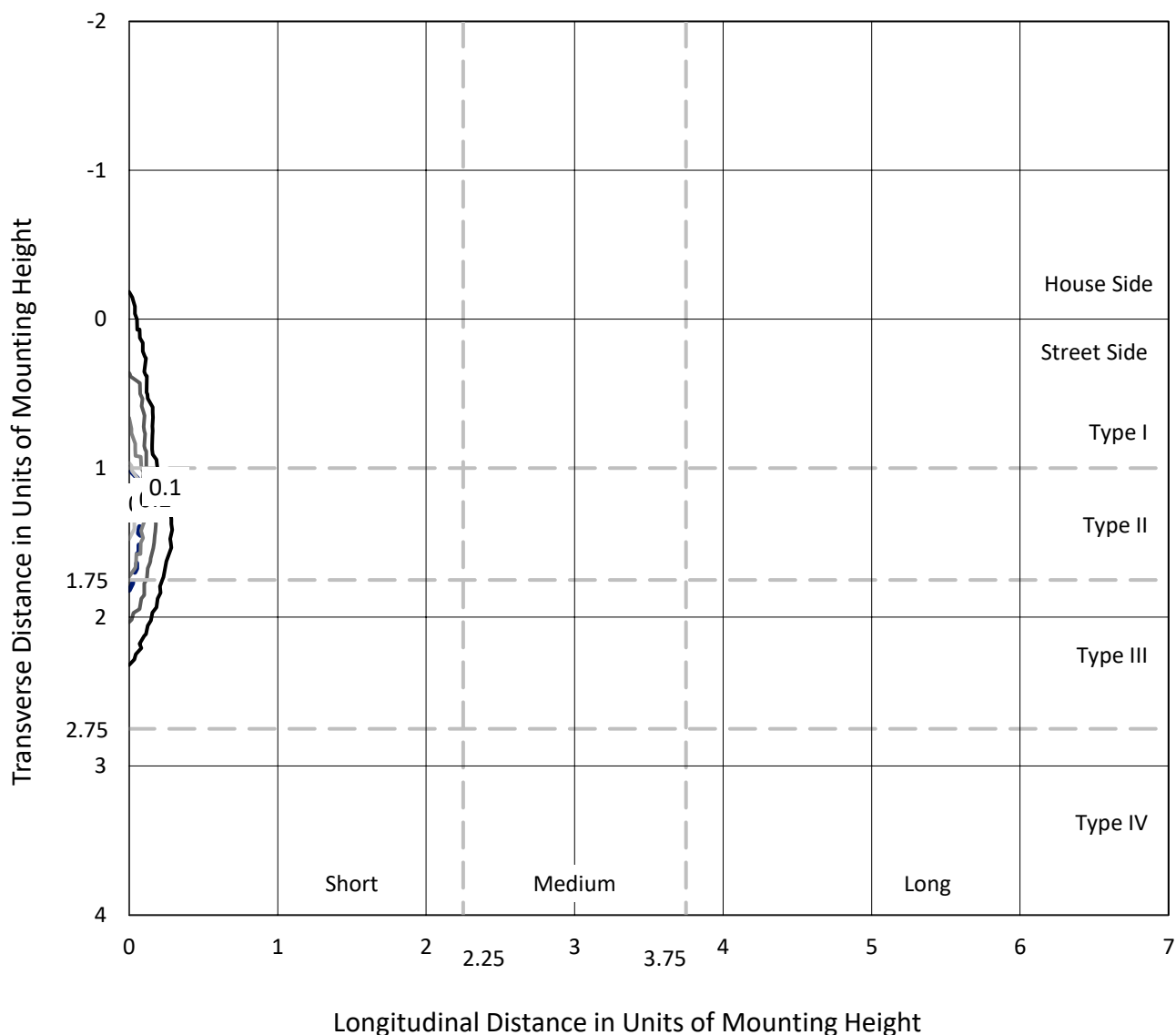
REPORT NUMBER: P1049146

CATALOG NUMBER: GALN-SA3B-830-U-RBC

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

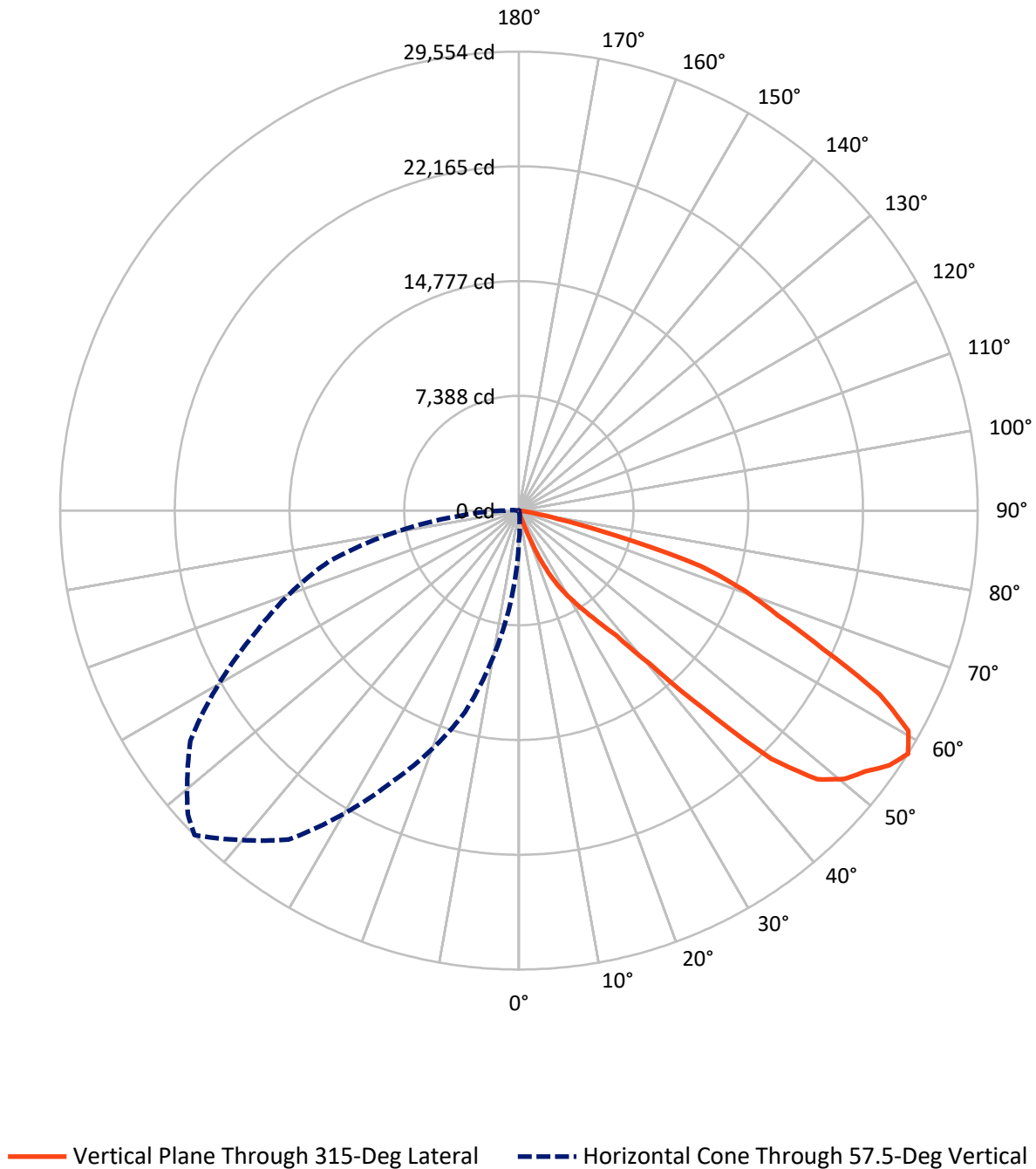


Based on 20 foot mounting height. Maximum calculated value = 1.7 fc

Type III - Short - N/A

REPORT NUMBER: P1049146
CATALOG NUMBER: GALN-SA3B-830-U-RBC

Luminous Intensity Polar Plot



REPORT NUMBER: P1049146

CATALOG NUMBER: GALN-SA3B-830-U-RBC

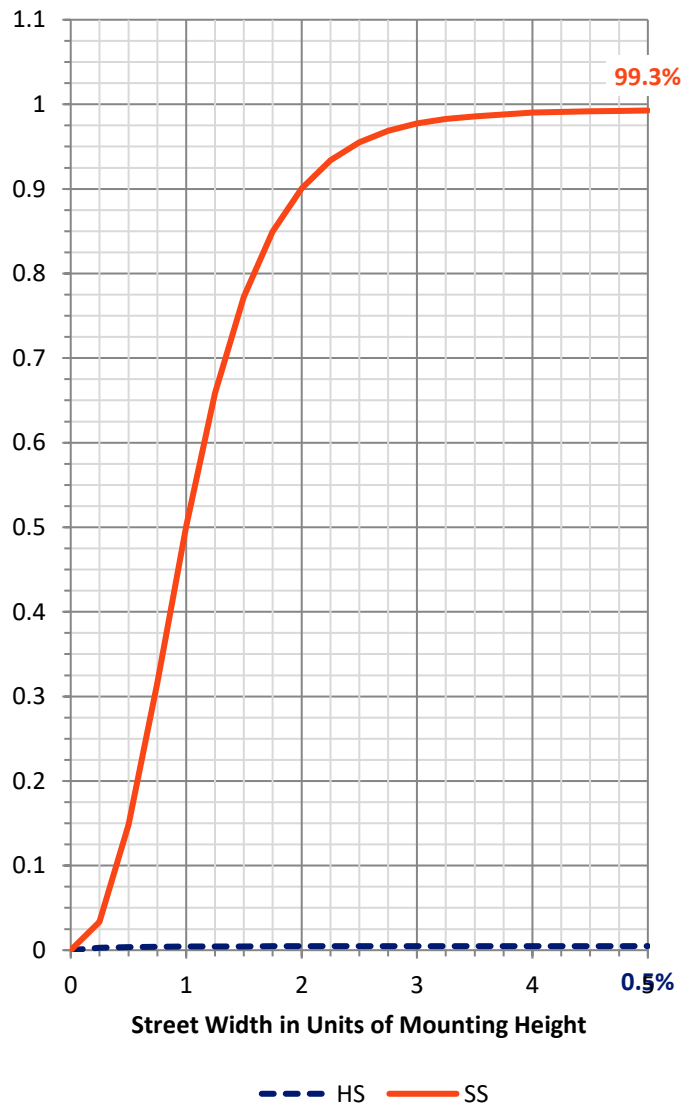
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	57.7	0.0	57.7
	% Fixture	0.5	0.0	0.5
Street Side	Lumens	11467.5	0.0	11467.5
	% Fixture	99.5	0.0	99.5
Total	Lumens	11525.2	0.0	11525.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.5	0.0
10°-20°	25.3	0.2
20°-30°	273.1	2.4
30°-40°	807.7	7.0
40°-50°	2407.2	20.9
50°-60°	3816.9	33.1
60°-70°	3186.2	27.6
70°-80°	982.5	8.5
80°-90°	21.8	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°	11525.2	100.0
0°-180°	11525.2	100.0



REPORT NUMBER: P1049146

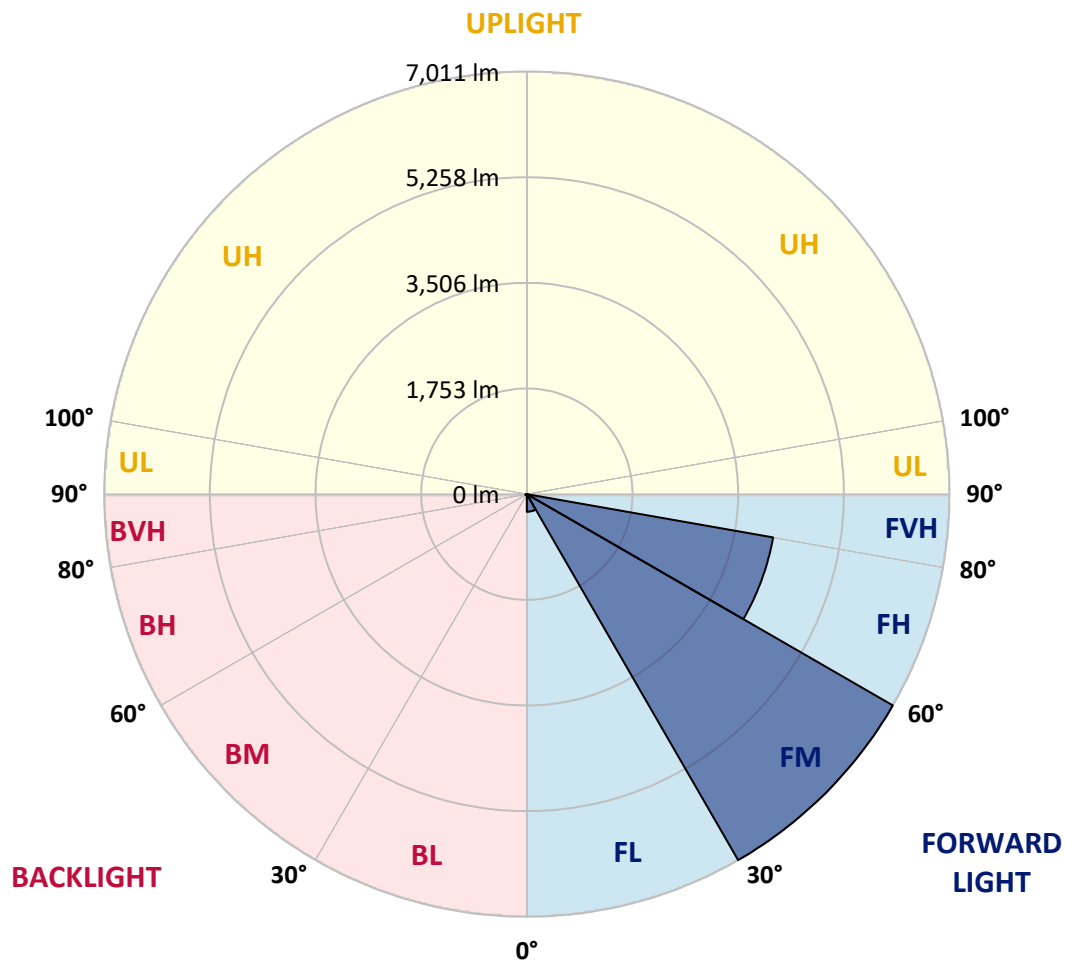
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	292.4	2.5			
FM	(30°-60°)	7011.1	60.8			
FH	(60°-80°)	4147.1	36.0			G2/5000
FVH	(80°-90°)	16.9	0.1			G1/100
BL	(0°-30°)	10.6	0.1	B0/110		
BM	(30°-60°)	20.6	0.2	B0/220		
BH	(60°-80°)	21.5	0.2	B0/110		G0/110
BVH	(80°-90°)	5.0	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G2

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°
0°	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
2.5°	46.2	46.2	46.2	46.2	45.3	45.3	44.4	44.4	43.5	43.5
5°	48.8	48.8	47.9	47.0	47.0	46.2	45.3	44.4	44.4	43.5
7.5°	53.1	52.3	51.4	50.5	48.8	47.9	46.2	45.3	44.4	42.7
10°	58.4	56.6	54.9	53.1	51.4	49.6	47.9	47.0	45.3	44.4
12.5°	65.3	62.7	59.2	56.6	54.9	52.3	50.5	48.8	46.2	44.4
15°	71.4	67.9	63.6	60.1	57.5	54.0	51.4	48.8	47.0	44.4
17.5°	80.1	74.0	67.1	62.7	59.2	54.9	50.5	47.9	45.3	41.8
20°	94.9	82.7	69.7	64.5	59.2	54.0	48.8	45.3	42.7	39.2
22.5°	118.4	97.5	76.6	68.8	61.8	54.0	47.0	43.5	40.1	36.6
25°	163.7	126.3	88.8	78.4	67.9	57.5	47.0	42.7	39.2	34.8
27.5°	217.7	162.0	105.4	90.6	76.6	61.8	47.0	41.8	37.5	32.2
30°	272.6	198.6	123.7	104.5	85.4	66.2	47.0	40.9	35.7	29.6
32.5°	324.9	232.5	139.4	116.7	94.1	70.5	47.9	40.9	34.0	27.0
35°	378.0	260.4	142.0	118.4	94.9	70.5	47.0	39.2	32.2	24.4
37.5°	445.9	291.8	136.7	113.2	90.6	67.1	44.4	37.5	30.5	22.6
40°	548.7	344.0	139.4	115.0	90.6	66.2	41.8	34.8	28.7	21.8
42.5°	738.6	445.1	150.7	122.8	94.9	66.2	38.3	32.2	27.0	20.9
45°	1276.8	739.4	202.1	160.3	118.4	76.6	34.8	29.6	25.3	20.0
47.5°	2112.0	1237.6	363.2	280.4	198.6	115.8	34.0	29.6	25.3	20.0
50°	2695.6	1576.4	457.2	351.9	246.5	141.1	35.7	30.5	26.1	20.9
52.5°	2691.2	1600.8	509.5	391.1	273.5	155.0	37.5	32.2	27.9	22.6
55°	2392.5	1456.2	519.1	398.9	279.6	159.4	40.1	34.8	29.6	24.4
57.5°	1999.7	1236.7	473.8	366.7	260.4	153.3	46.2	40.1	34.8	28.7
60°	1581.6	975.5	369.3	291.8	215.1	137.6	61.0	53.1	46.2	38.3
62.5°	1092.2	707.2	322.3	258.7	196.0	132.4	69.7	61.8	54.9	47.0
65°	772.5	532.1	290.9	236.9	183.8	129.8	75.8	67.1	59.2	50.5
67.5°	577.4	423.3	268.3	222.1	175.9	129.8	83.6	73.2	63.6	53.1
70°	442.4	347.5	251.7	214.3	177.7	140.2	102.8	88.0	74.0	59.2
72.5°	360.6	297.0	232.5	205.5	178.5	151.5	124.5	105.4	86.2	66.2
75°	298.7	254.3	209.9	187.3	165.5	142.8	120.2	102.8	86.2	68.8
77.5°	198.6	181.2	162.9	149.8	136.7	122.8	109.7	94.9	81.0	66.2
80°	69.7	67.1	64.5	69.7	74.9	80.1	85.4	74.9	65.3	54.9
82.5°	10.5	9.6	8.7	9.6	10.5	11.3	12.2	13.1	13.9	14.8
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°	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
0.0	2.5°	42.7	42.7	41.8	41.8	41.8	40.9	40.9	40.1	40.1	40.1
0.0	5°	41.8	41.8	40.9	40.1	39.2	39.2	38.3	37.5	37.5	36.6
0.0	7.5°	40.9	40.1	39.2	38.3	37.5	36.6	35.7	34.8	34.8	34.0
0.0	10°	41.8	40.1	39.2	37.5	36.6	35.7	34.0	33.1	32.2	32.2
0.0	12.5°	40.1	39.2	37.5	35.7	34.8	33.1	32.2	30.5	29.6	29.6
0.0	15°	40.1	38.3	35.7	34.0	32.2	31.4	29.6	27.9	27.0	26.1
0.0	17.5°	37.5	35.7	33.1	31.4	29.6	27.9	26.1	24.4	23.5	22.6
0.0	20°	34.0	32.2	29.6	27.0	25.3	23.5	21.8	20.0	19.2	18.3
0.0	22.5°	30.5	28.7	26.1	23.5	21.8	20.0	17.4	15.7	14.8	13.1
0.0	25°	28.7	26.1	23.5	20.9	18.3	16.5	13.9	11.3	9.6	7.8
0.0	27.5°	24.4	21.8	19.2	16.5	13.9	11.3	8.7	6.1	4.4	3.5
0.0	30°	20.9	18.3	15.7	13.1	9.6	7.0	4.4	0.9	0.9	0.9
0.0	32.5°	17.4	14.8	11.3	8.7	7.0	4.4	2.6	0.0	0.0	0.0
0.0	35°	13.9	11.3	7.8	5.2	4.4	2.6	1.7	0.0	0.0	0.0
0.0	37.5°	12.2	9.6	6.1	2.6	1.7	1.7	0.9	0.0	0.0	0.0
0.0	40°	11.3	7.8	4.4	0.9	0.9	0.9	0.0	0.0	0.0	0.0
0.0	42.5°	11.3	7.8	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	11.3	7.8	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	11.3	7.8	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	12.2	8.7	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	13.9	10.5	7.0	3.5	2.6	1.7	0.9	0.0	0.0	0.0
0.0	55°	17.4	15.7	13.1	11.3	8.7	6.1	2.6	0.0	0.0	0.0
0.0	57.5°	22.6	22.6	21.8	20.9	15.7	10.5	5.2	0.0	0.0	0.0
0.0	60°	30.5	30.5	30.5	30.5	22.6	15.7	7.8	0.0	0.0	0.0
0.0	62.5°	37.5	35.7	33.1	31.4	23.5	15.7	7.8	0.0	0.0	0.0
0.0	65°	37.5	34.0	29.6	25.3	19.2	13.1	6.1	0.0	0.0	0.0
0.0	67.5°	34.8	27.9	20.0	13.1	9.6	7.0	3.5	0.0	0.0	0.0
	70°	34.8	24.4	13.9	3.5	2.6	1.7	0.9	0.0	0.0	0.0
	72.5°	34.8	23.5	11.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	75°	38.3	26.1	13.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	77.5°	38.3	26.1	13.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	80°	34.0	22.6	11.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	82.5°	11.3	7.8	3.5	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°	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
0.0	2.5°	39.2	39.2	39.2	38.3	38.3	38.3	38.3	37.5	37.5	37.5
0.0	5°	35.7	35.7	34.8	34.8	34.0	34.0	33.1	33.1	32.2	32.2
0.0	7.5°	33.1	32.2	32.2	31.4	30.5	30.5	29.6	29.6	28.7	27.9
0.0	10°	30.5	29.6	29.6	28.7	27.9	27.0	27.0	26.1	25.3	24.4
0.0	12.5°	27.9	27.0	26.1	25.3	24.4	23.5	23.5	22.6	21.8	20.9
0.0	15°	24.4	23.5	22.6	21.8	20.9	20.0	20.0	19.2	18.3	17.4
0.0	17.5°	20.9	20.0	20.0	19.2	18.3	17.4	16.5	14.8	13.9	13.1
0.0	20°	15.7	14.8	13.9	13.1	12.2	10.5	9.6	7.8	6.1	5.2
0.0	22.5°	10.5	8.7	7.8	6.1	4.4	3.5	2.6	0.9	0.0	0.0
0.0	25°	3.5	2.6	1.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	32.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1049146

CATALOG NUMBER: GALN-SA3B-830-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049146

CATALOG NUMBER: GALN-SA3B-830-U-RBC

CANDELA DISTRIBUTION (continued):

80°		82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°
0.0	0°	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
0.0	2.5°	36.6	36.6	36.6	35.7	35.7	35.7	35.7	35.7	35.7	35.7
0.0	5°	31.4	31.4	31.4	30.5	30.5	29.6	29.6	29.6	28.7	28.7
0.0	7.5°	27.0	26.1	26.1	25.3	25.3	24.4	24.4	24.4	23.5	23.5
0.0	10°	22.6	21.8	21.8	20.9	20.9	20.0	20.0	19.2	19.2	18.3
0.0	12.5°	20.0	19.2	18.3	17.4	17.4	16.5	15.7	15.7	14.8	13.9
0.0	15°	15.7	14.8	13.9	13.1	12.2	11.3	10.5	10.5	9.6	8.7
0.0	17.5°	10.5	8.7	7.8	7.0	7.0	6.1	5.2	4.4	3.5	2.6
0.0	20°	2.6	1.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	32.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	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: P1049146

CATALOG NUMBER: GALN-SA3B-830-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049146

CATALOG NUMBER: GALN-SA3B-830-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°	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
0.0	2.5°	35.7	34.8	34.8	34.8	35.7	35.7	35.7	35.7	35.7	35.7
0.0	5°	28.7	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9
0.0	7.5°	23.5	22.6	22.6	22.6	22.6	21.8	21.8	21.8	21.8	21.8
0.0	10°	18.3	17.4	17.4	17.4	17.4	16.5	16.5	16.5	16.5	16.5
0.0	12.5°	13.1	13.1	12.2	12.2	12.2	11.3	11.3	11.3	11.3	10.5
0.0	15°	7.8	7.0	6.1	6.1	6.1	5.2	5.2	5.2	5.2	4.4
0.0	17.5°	1.7	1.7	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0
0.0	20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	32.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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: P1049146

CATALOG NUMBER: GALN-SA3B-830-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049146

CATALOG NUMBER: GALN-SA3B-830-U-RBC

CANDELA DISTRIBUTION (continued):

135°		137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°
0.0	0°	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
0.0	2.5°	36.6	36.6	37.5	37.5	38.3	40.1	40.9	41.8	43.5	45.3
0.0	5°	28.7	29.6	29.6	30.5	31.4	32.2	33.1	34.0	35.7	37.5
0.0	7.5°	22.6	22.6	23.5	23.5	24.4	26.1	27.0	27.9	29.6	32.2
0.0	10°	17.4	17.4	18.3	18.3	19.2	20.9	21.8	22.6	24.4	27.0
0.0	12.5°	11.3	12.2	12.2	13.1	13.9	15.7	16.5	17.4	19.2	20.9
0.0	15°	5.2	6.1	6.1	7.0	7.8	9.6	10.5	11.3	13.1	15.7
0.0	17.5°	0.9	0.9	1.7	1.7	2.6	3.5	4.4	5.2	7.8	9.6
0.0	20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	3.5
0.0	22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
0.0	25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	32.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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: P1049146

CATALOG NUMBER: GALN-SA3B-830-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049146

CATALOG NUMBER: GALN-SA3B-830-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°	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
0.0	2.5°	47.9	49.6	51.4	53.1	54.9	56.6	57.5	59.2	60.1	61.0
0.0	5°	40.9	42.7	45.3	47.0	48.8	50.5	52.3	53.1	54.0	54.9
0.0	7.5°	35.7	37.5	40.1	41.8	43.5	45.3	47.0	48.8	49.6	50.5
0.0	10°	30.5	33.1	34.8	37.5	39.2	40.9	42.7	44.4	46.2	47.0
0.0	12.5°	24.4	27.0	29.6	31.4	34.0	36.6	38.3	40.1	41.8	43.5
0.0	15°	19.2	21.8	24.4	26.1	28.7	31.4	34.0	35.7	37.5	39.2
0.0	17.5°	13.9	16.5	19.2	20.9	23.5	26.1	27.9	30.5	32.2	34.0
0.0	20°	7.0	9.6	12.2	14.8	17.4	20.0	21.8	24.4	26.1	27.9
0.0	22.5°	0.9	3.5	6.1	7.8	10.5	13.1	14.8	17.4	19.2	20.9
0.0	25°	0.0	0.9	2.6	3.5	4.4	6.1	7.8	9.6	11.3	13.1
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	0.9	1.7	3.5	5.2	7.0
0.0	30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7
0.0	32.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
	82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	1.7
	85°	0.0	0.0	0.0	0.0	0.0	1.7	2.6	4.4	5.2	6.1
	87.5°	0.0	0.9	1.7	2.6	3.5	5.2	7.0	8.7	9.6	10.5
	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: P1049146

CATALOG NUMBER: GALN-SA3B-830-U-RBC

CANDELA DISTRIBUTION (continued):

190°		165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°
50.5	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61.0	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55.7	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
51.4	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48.8	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44.4	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40.9	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36.6	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29.6	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22.6	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.7	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.7	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.6	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0											
0.0											
0.0											
0.0											
0.9											
3.5											
7.8											
11.3											
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REPORT NUMBER: P1049146

CATALOG NUMBER: GALN-SA3B-830-U-RBC

CANDELA DISTRIBUTION (continued):

190°		192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°
0.0	0°	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
0.0	2.5°	61.8	61.8	61.8	61.8	61.0	61.0	61.0	60.1	60.1	59.2
0.0	5°	56.6	57.5	57.5	57.5	57.5	57.5	57.5	57.5	56.6	56.6
0.0	7.5°	52.3	53.1	54.0	54.0	54.9	54.9	54.9	54.0	54.0	53.1
0.0	10°	49.6	50.5	50.5	51.4	51.4	51.4	51.4	51.4	51.4	51.4
0.0	12.5°	46.2	47.0	47.9	47.9	48.8	48.8	48.8	48.8	47.9	47.9
0.0	15°	41.8	43.5	44.4	45.3	45.3	46.2	46.2	46.2	46.2	46.2
0.0	17.5°	38.3	40.1	40.9	41.8	41.8	42.7	42.7	43.5	43.5	43.5
0.0	20°	31.4	33.1	34.0	35.7	36.6	37.5	38.3	39.2	39.2	40.1
0.0	22.5°	24.4	26.1	27.0	28.7	29.6	30.5	31.4	32.2	33.1	34.0
0.0	25°	17.4	19.2	20.0	21.8	22.6	23.5	24.4	25.3	25.3	26.1
0.0	27.5°	9.6	11.3	13.1	13.9	15.7	16.5	17.4	18.3	19.2	20.0
0.0	30°	4.4	5.2	6.1	7.8	8.7	9.6	10.5	12.2	13.1	13.9
0.0	32.5°	0.0	0.0	0.9	2.6	3.5	4.4	5.2	6.1	6.1	7.0
0.0	35°	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.7	2.6	3.5
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°	1.7	1.7	1.7	2.6	2.6	2.6	2.6	2.6	2.6	2.6
	82.5°	4.4	5.2	6.1	6.1	7.0	7.0	7.0	7.0	6.1	6.1
	85°	8.7	9.6	10.5	10.5	11.3	11.3	11.3	11.3	11.3	11.3
	87.5°	12.2	13.1	13.9	13.9	14.8	14.8	14.8	14.8	14.8	14.8
	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1049146

CATALOG NUMBER: GALN-SA3B-830-U-RBC

CANDELA DISTRIBUTION (continued):

217.5°		192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°
50.5	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59.2	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
56.6	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
53.1	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
51.4	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.9	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
46.2	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43.5	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39.2	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34.0	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27.0	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20.9	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14.8	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.7	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.2	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.7	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.7	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.9	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.9	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.9	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.9	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.9	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0											
0.0											
0.0											
0.0											
2.6											
6.1											
11.3											
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REPORT NUMBER: P1049146

CATALOG NUMBER: GALN-SA3B-830-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°	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
0.0	2.5°	58.4	58.4	57.5	57.5	57.5	57.5	57.5	58.4	59.2	59.2
0.0	5°	55.7	55.7	54.9	54.9	54.9	55.7	55.7	56.6	57.5	58.4
0.0	7.5°	53.1	52.3	52.3	53.1	53.1	54.0	54.0	54.9	55.7	56.6
0.0	10°	51.4	50.5	50.5	50.5	51.4	51.4	52.3	53.1	54.0	54.9
0.0	12.5°	47.9	47.9	47.9	47.9	48.8	48.8	49.6	50.5	52.3	53.1
0.0	15°	46.2	45.3	45.3	45.3	45.3	46.2	46.2	47.9	49.6	50.5
0.0	17.5°	42.7	42.7	41.8	41.8	42.7	42.7	43.5	45.3	47.0	47.9
0.0	20°	39.2	38.3	37.5	37.5	38.3	38.3	39.2	40.9	42.7	43.5
0.0	22.5°	34.0	33.1	33.1	33.1	33.1	34.0	34.0	35.7	38.3	40.1
0.0	25°	27.0	27.9	27.9	28.7	28.7	29.6	30.5	32.2	34.8	36.6
0.0	27.5°	20.9	21.8	21.8	23.5	24.4	25.3	26.1	28.7	31.4	33.1
0.0	30°	15.7	16.5	17.4	18.3	20.0	21.8	23.5	26.1	28.7	30.5
0.0	32.5°	9.6	11.3	12.2	13.9	15.7	17.4	19.2	21.8	25.3	27.9
0.0	35°	7.0	7.8	9.6	10.5	12.2	13.9	15.7	19.2	21.8	25.3
0.0	37.5°	3.5	5.2	7.0	8.7	10.5	12.2	13.9	17.4	20.9	23.5
0.0	40°	2.6	4.4	5.2	7.0	9.6	11.3	13.1	16.5	20.0	23.5
0.0	42.5°	1.7	2.6	3.5	6.1	7.8	10.5	13.1	16.5	20.0	23.5
0.0	45°	1.7	1.7	2.6	5.2	7.8	11.3	13.9	17.4	20.0	23.5
0.0	47.5°	1.7	2.6	3.5	7.0	8.7	11.3	13.9	16.5	20.0	22.6
0.0	50°	2.6	3.5	4.4	7.8	9.6	12.2	13.9	17.4	20.0	23.5
0.0	52.5°	1.7	2.6	3.5	7.0	9.6	13.1	15.7	19.2	22.6	25.3
0.0	55°	0.9	0.9	0.9	5.2	10.5	14.8	20.0	22.6	26.1	28.7
0.0	57.5°	0.0	0.0	0.0	3.5	10.5	16.5	22.6	26.1	29.6	32.2
0.0	60°	0.0	0.0	0.0	3.5	10.5	16.5	22.6	27.0	31.4	35.7
0.0	62.5°	0.0	0.0	0.0	3.5	8.7	13.9	19.2	26.1	34.0	40.9
0.0	65°	0.0	0.0	0.0	2.6	7.0	11.3	15.7	26.1	36.6	46.2
0.0	67.5°	0.0	0.0	0.0	2.6	7.0	10.5	14.8	26.1	36.6	47.9
	70°	0.0	0.0	0.0	2.6	7.0	11.3	15.7	26.1	36.6	47.0
	72.5°	0.0	0.0	0.0	2.6	7.8	12.2	17.4	26.1	34.8	43.5
	75°	0.0	0.0	0.0	3.5	7.8	13.1	18.3	26.1	34.0	40.9
	77.5°	0.0	0.0	0.0	2.6	7.8	12.2	17.4	25.3	33.1	40.1
	80°	2.6	1.7	1.7	4.4	7.8	11.3	14.8	22.6	31.4	39.2
	82.5°	5.2	5.2	4.4	6.1	7.8	10.5	13.1	20.0	27.9	34.8
	85°	10.5	10.5	9.6	10.5	10.5	11.3	12.2	15.7	19.2	22.6
	87.5°	13.9	13.9	13.1	13.1	13.1	12.2	12.2	12.2	12.2	11.3
	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: P1049146

CATALOG NUMBER: GALN-SA3B-830-U-RBC

CANDELA DISTRIBUTION (continued):

245°		220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°
50.5	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60.1	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59.2	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55.7	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
54.0	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.3	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49.6	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45.3	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41.8	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38.3	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35.7	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33.1	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30.5	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27.9	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27.0	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27.0	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27.0	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26.1	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25.3	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26.1	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28.7	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31.4	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35.7	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40.1	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.9	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
56.6	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58.4	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5											
52.3											
48.8											
47.9											
47.0											
41.8											
26.1											
11.3											
0.0											
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REPORT NUMBER: P1049146

CATALOG NUMBER: GALN-SA3B-830-U-RBC

CANDELA DISTRIBUTION (continued):

245°		247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°
0.0	0°	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
0.0	2.5°	61.0	61.8	61.8	62.7	63.6	64.5	64.5	65.3	65.3	65.3
0.0	5°	60.1	61.8	62.7	63.6	64.5	65.3	66.2	67.1	67.9	67.9
0.0	7.5°	59.2	60.1	61.8	62.7	64.5	65.3	67.1	67.9	68.8	69.7
0.0	10°	57.5	59.2	61.0	62.7	64.5	66.2	67.9	69.7	71.4	72.3
0.0	12.5°	55.7	58.4	60.1	61.8	64.5	67.1	68.8	71.4	73.2	74.9
0.0	15°	54.9	56.6	59.2	61.0	64.5	67.9	70.5	74.0	77.5	80.1
0.0	17.5°	52.3	55.7	58.4	61.0	64.5	68.8	72.3	75.8	81.0	86.2
0.0	20°	48.8	51.4	54.9	57.5	62.7	67.1	72.3	76.6	84.5	92.3
0.0	22.5°	45.3	48.8	51.4	54.9	61.0	66.2	72.3	77.5	90.6	102.8
0.0	25°	41.8	46.2	49.6	53.1	60.1	67.1	74.0	81.0	102.8	124.5
0.0	27.5°	40.1	43.5	47.9	51.4	60.1	69.7	78.4	87.1	121.9	155.9
0.0	30°	37.5	41.8	45.3	49.6	61.0	72.3	83.6	94.9	148.1	201.2
0.0	32.5°	34.8	39.2	43.5	47.9	62.7	77.5	91.4	106.3	175.9	244.7
0.0	35°	32.2	37.5	41.8	46.2	65.3	85.4	104.5	123.7	201.2	277.8
0.0	37.5°	31.4	36.6	40.9	45.3	66.2	86.2	107.1	127.2	203.8	280.4
0.0	40°	32.2	36.6	41.8	46.2	63.6	81.0	97.5	115.0	195.1	274.3
0.0	42.5°	32.2	37.5	42.7	47.9	61.8	75.8	89.7	103.6	192.5	281.3
0.0	45°	31.4	36.6	41.8	47.0	60.1	72.3	85.4	97.5	208.2	317.9
0.0	47.5°	30.5	35.7	40.9	46.2	59.2	72.3	85.4	98.4	269.1	439.0
0.0	50°	30.5	35.7	40.1	44.4	60.1	76.6	92.3	108.0	391.9	675.0
0.0	52.5°	32.2	36.6	40.1	43.5	61.8	81.0	99.3	117.6	498.2	877.9
0.0	55°	34.8	37.5	40.9	43.5	66.2	88.0	110.6	132.4	530.4	928.4
0.0	57.5°	38.3	40.9	43.5	46.2	74.0	101.9	128.9	156.8	533.0	908.4
0.0	60°	42.7	46.2	48.8	51.4	81.0	111.5	141.1	170.7	482.5	793.4
0.0	62.5°	52.3	56.6	60.1	64.5	93.2	121.1	149.8	177.7	400.6	623.6
0.0	65°	60.1	63.6	67.1	70.5	98.4	127.2	155.0	182.9	339.7	496.4
0.0	67.5°	61.8	65.3	67.9	71.4	100.2	128.9	156.8	185.5	290.9	395.4
	70°	62.7	67.1	72.3	76.6	106.3	135.9	164.6	194.2	257.8	321.4
	72.5°	60.1	68.8	76.6	84.5	112.4	139.4	167.2	194.2	239.5	284.8
	75°	60.1	72.3	83.6	94.9	115.8	135.9	156.8	176.8	211.6	246.5
	77.5°	63.6	79.3	94.9	110.6	122.8	134.1	146.3	157.6	180.3	202.9
	80°	63.6	80.1	95.8	112.4	117.6	123.7	128.9	134.1	136.7	139.4
	82.5°	54.9	67.9	81.0	94.1	88.0	81.9	75.8	69.7	65.3	60.1
	85°	27.9	30.5	32.2	34.0	31.4	28.7	26.1	23.5	21.8	19.2
	87.5°	11.3	11.3	10.5	10.5	10.5	10.5	9.6	9.6	9.6	9.6
	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: P1049146

CATALOG NUMBER: GALN-SA3B-830-U-RBC

CANDELA DISTRIBUTION (continued):

272.5°		247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°
50.5	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65.3	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.9	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70.5	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
74.0	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
84.5	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
93.2	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.1	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
136.7	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
185.5	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
257.8	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
349.2	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
436.3	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
495.6	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
540.0	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
584.4	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
671.5	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
845.7	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1289.0	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1974.4	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2485.7	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2542.3	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2294.1	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1961.4	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1532.9	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1158.4	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
855.3	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
605.3											
450.3											
327.5											
246.5											
138.5											
62.7											
18.3											
8.7											
0.0											
0.0											
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REPORT NUMBER: P1049146

CATALOG NUMBER: GALN-SA3B-830-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°	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
0.0	2.5°	65.3	64.5	64.5	63.6	62.7	61.8	61.0	60.1	59.2	58.4
0.0	5°	67.9	67.9	67.9	67.1	67.1	66.2	66.2	65.3	64.5	63.6
0.0	7.5°	70.5	71.4	71.4	72.3	72.3	72.3	72.3	71.4	71.4	71.4
0.0	10°	74.9	75.8	76.6	77.5	78.4	79.3	79.3	80.1	80.1	80.1
0.0	12.5°	80.1	82.7	84.5	87.1	88.8	91.4	93.2	95.8	97.5	99.3
0.0	15°	88.0	92.3	97.5	101.9	106.3	112.4	119.3	125.4	131.5	141.1
0.0	17.5°	99.3	113.2	127.2	140.2	154.2	184.6	215.1	244.7	275.2	319.6
0.0	20°	121.1	162.9	203.8	245.6	286.5	393.7	499.9	607.1	713.3	827.4
0.0	22.5°	169.8	272.6	375.4	478.2	580.9	804.8	1027.7	1251.6	1474.5	1736.7
0.0	25°	246.5	435.5	624.5	812.6	1001.6	1351.7	1702.7	2052.8	2402.9	2743.5
0.0	27.5°	358.8	648.0	937.1	1225.4	1514.6	1989.2	2464.8	2939.4	3414.1	3799.1
0.0	30°	497.3	889.2	1281.2	1673.1	2065.0	2605.0	3145.0	3684.1	4224.1	4644.8
0.0	32.5°	628.0	1107.8	1587.7	2066.8	2546.7	3161.5	3777.3	4392.2	5007.1	5466.9
0.0	35°	713.3	1293.4	1874.3	2454.3	3034.4	3699.8	4365.2	5029.7	5695.1	6220.3
0.0	37.5°	798.7	1468.4	2137.3	2807.1	3476.0	4206.7	4937.4	5668.1	6398.9	7047.7
0.0	40°	894.5	1680.1	2464.8	3250.4	4035.1	4900.8	5765.7	6631.4	7496.2	8411.6
0.0	42.5°	1060.8	2031.0	3002.2	3972.4	4942.6	6087.9	7233.2	8377.6	9522.9	10829.4
0.0	45°	1373.5	2740.9	4109.1	5476.5	6843.9	8361.1	9879.2	11396.3	12913.5	14652.0
0.0	47.5°	2139.0	4020.3	5900.7	7781.9	9662.3	11300.5	12937.9	14576.2	16213.6	17945.0
0.0	50°	3273.0	5462.6	7652.1	9840.8	12030.4	13512.8	14994.2	16476.6	17958.1	19605.0
0.0	52.5°	4093.5	6374.5	8656.3	10937.4	13218.4	14556.1	15894.8	17232.6	18570.3	20109.3
0.0	55°	4155.3	6423.2	8692.1	10960.0	13228.0	14571.8	15915.7	17259.6	18603.4	20234.7
0.0	57.5°	3678.9	5928.5	8177.3	10427.0	12675.8	14206.0	15735.4	17265.7	18795.0	20558.7
0.0	60°	3129.3	5379.8	7629.5	9880.0	12129.7	13892.5	15656.2	17419.0	19181.7	20833.9
0.0	62.5°	2441.3	4756.2	7072.1	9387.1	11702.1	13491.8	15281.6	17070.6	18860.4	20099.7
0.0	65°	1819.4	4067.3	6315.2	8562.3	10810.2	12243.8	13677.4	15110.1	16543.6	17311.0
0.0	67.5°	1315.1	3253.9	5191.7	7130.4	9068.3	10094.3	11120.3	12145.4	13171.3	13758.4
	70°	889.2	2232.2	3574.4	4917.4	6259.5	7102.6	7946.5	8789.6	9632.7	10425.2
	72.5°	615.8	1370.0	2125.1	2879.4	3633.6	4481.9	5329.3	6177.6	7025.1	7863.8
	75°	408.5	751.6	1095.7	1438.8	1782.0	2409.9	3038.7	3666.7	4294.6	4794.6
	77.5°	290.0	392.8	496.4	599.2	702.0	819.6	938.0	1055.6	1173.2	1351.7
	80°	137.6	150.7	163.7	175.9	189.0	231.7	274.3	317.0	359.7	405.0
	82.5°	65.3	70.5	75.8	80.1	85.4	89.7	94.1	98.4	102.8	98.4
	85°	17.4	17.4	18.3	18.3	18.3	18.3	18.3	18.3	18.3	17.4
	87.5°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.0	7.0	6.1
	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: P1049146

CATALOG NUMBER: GALN-SA3B-830-U-RBC

CANDELA DISTRIBUTION (continued):

300°		275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°
50.5	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.7	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70.5	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
81.0	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100.2	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
151.5	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
363.2	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
942.4	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1998.8	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3084.0	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4184.0	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5066.3	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5927.7	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6745.5	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7697.4	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9327.0	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12135.8	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16390.4	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19676.4	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21252.0	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21648.3	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21866.9	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22322.4	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22485.3	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21340.0	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18079.1	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14346.2	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11216.9											
8702.5											
5294.5											
1530.3											
450.3											
93.2											
16.5											
6.1											
0.0											
0.0											
0.0											
0.0											
0.0											
0.0											
0.0											
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0.0											
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0.0											

REPORT NUMBER: P1049146

CATALOG NUMBER: GALN-SA3B-830-U-RBC

CANDELA DISTRIBUTION (continued):

300°		302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°
0.0	0°	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
0.0	2.5°	56.6	55.7	54.9	54.0	53.1	51.4	51.4	50.5	50.5
0.0	5°	61.8	61.0	60.1	59.2	59.2	58.4	57.5	57.5	56.6
0.0	7.5°	70.5	69.7	68.8	67.9	67.9	67.1	67.1	66.2	66.2
0.0	10°	81.0	81.0	81.0	81.0	81.0	80.1	80.1	80.1	79.3
0.0	12.5°	101.9	102.8	104.5	106.3	108.9	108.9	108.9	108.0	108.0
0.0	15°	161.1	170.7	177.7	184.6	190.7	204.7	202.9	200.3	198.6
0.0	17.5°	407.6	451.2	474.7	497.3	520.8	585.3	574.8	564.4	554.8
0.0	20°	1056.5	1170.6	1246.3	1322.1	1398.7	1519.8	1490.2	1460.6	1431.0
0.0	22.5°	2260.1	2522.3	2636.4	2750.5	2863.7	3010.0	2915.1	2820.1	2726.1
0.0	25°	3423.7	3764.2	3956.7	4149.2	4340.8	4424.4	4300.7	4176.2	4052.5
0.0	27.5°	4569.0	4953.9	5123.8	5292.7	5462.6	5637.6	5484.4	5330.2	5176.9
0.0	30°	5487.0	5907.6	6091.4	6274.3	6458.1	6580.0	6421.5	6262.1	6103.6
0.0	32.5°	6387.5	6847.4	7048.6	7249.8	7450.1	7625.1	7430.1	7234.1	7039.0
0.0	35°	7269.8	7795.0	8071.9	8348.9	8625.9	8788.7	8557.1	8324.5	8092.8
0.0	37.5°	8346.3	8995.1	9305.2	9615.3	9925.3	10222.3	9967.1	9711.1	9455.9
0.0	40°	10242.3	11157.7	11633.2	12109.7	12585.2	12968.4	12646.2	12323.9	12001.7
0.0	42.5°	13442.2	14748.6	15432.3	16115.1	16798.8	17397.2	17058.4	16719.6	16380.8
0.0	45°	18128.8	19867.2	20700.7	21533.3	22366.8	22804.0	22316.3	21827.7	21340.0
0.0	47.5°	21407.0	23138.5	23880.5	24622.6	25364.6	25863.7	25267.1	24670.5	24074.7
0.0	50°	22898.1	24545.0	25289.7	26033.5	26778.2	27174.4	26485.5	25795.7	25106.8
0.0	52.5°	23186.4	24725.3	25613.7	26502.9	27391.3	27920.8	27107.4	26293.0	25479.6
0.0	55°	23498.2	25129.5	26159.8	27191.0	28221.3	28954.7	28034.9	27114.3	26194.6
0.0	57.5°	24085.2	25848.9	26876.6	27903.4	28931.1	29553.9	28631.5	27708.3	26786.0
0.0	60°	24137.4	25788.8	26671.9	27555.9	28439.1	28831.0	27948.7	27065.6	26183.3
0.0	62.5°	22579.3	23818.7	24431.8	25045.0	25658.1	26084.0	25163.4	24242.0	23321.4
0.0	65°	18846.4	19613.7	20102.3	20590.9	21079.5	21587.3	20744.2	19901.2	19058.1
0.0	67.5°	14933.3	15520.3	16163.9	16807.5	17451.2	17993.8	17318.8	16642.9	15968.0
	70°	12009.5	12801.2	13524.9	14248.7	14972.5	15416.6	14739.0	14060.6	13383.0
	72.5°	9541.2	10380.0	10984.4	11588.0	12192.4	12301.3	11803.1	11304.9	10807.6
	75°	5793.5	6293.5	6305.7	6317.0	6329.2	6432.8	6020.0	5607.2	5195.2
	77.5°	1708.8	1887.3	2034.5	2180.9	2328.0	2505.7	2354.2	2201.8	2050.2
	80°	494.7	540.0	578.3	615.8	654.1	631.4	595.7	560.0	524.3
	82.5°	88.8	83.6	82.7	81.9	81.9	77.5	70.5	63.6	56.6
	85°	15.7	14.8	13.9	13.1	12.2	11.3	9.6	8.7	7.0
	87.5°	5.2	4.4	3.5	2.6	2.6	0.9	0.9	0.9	0.0
	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1049146

CATALOG NUMBER: GALN-SA3B-830-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049146

CATALOG NUMBER: GALN-SA3B-830-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°	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
0.0	0.0	2.5°	49.6	48.8	48.8	48.8	48.8	47.9	47.9	47.9	47.9
0.0	0.0	5°	54.9	54.9	54.0	54.0	53.1	53.1	52.3	52.3	51.4
0.0	0.0	7.5°	64.5	63.6	62.7	61.8	61.0	59.2	58.4	57.5	57.5
0.0	0.0	10°	77.5	75.8	74.9	73.2	72.3	70.5	68.8	67.1	65.3
0.0	0.0	12.5°	101.9	98.4	95.8	92.3	88.8	86.2	82.7	80.1	76.6
0.0	0.0	15°	176.8	168.1	158.5	147.2	135.0	123.7	111.5	104.5	96.7
0.0	0.0	17.5°	452.0	406.7	360.6	323.1	285.7	249.1	211.6	184.6	157.6
0.0	0.0	20°	1150.5	1025.1	899.7	776.0	651.5	527.8	403.2	340.5	277.8
0.0	0.0	22.5°	2165.2	1932.6	1699.2	1473.6	1247.2	1021.6	796.0	654.1	513.0
0.0	0.0	25°	3341.8	3049.2	2756.5	2385.5	2013.6	1642.6	1271.6	1040.8	810.0
0.0	0.0	27.5°	4348.6	4011.6	3674.5	3223.4	2772.2	2321.1	1869.9	1525.9	1182.7
0.0	0.0	30°	5220.5	4858.1	4495.8	3970.7	3445.5	2920.3	2395.1	1964.9	1534.6
0.0	0.0	32.5°	5976.4	5542.7	5109.0	4567.2	4025.5	3483.8	2942.1	2414.3	1886.5
0.0	0.0	35°	6848.3	6342.2	5835.3	5234.4	4632.6	4031.6	3430.7	2834.9	2238.3
0.0	0.0	37.5°	7956.1	7335.1	6713.3	6043.5	5373.7	4704.9	4035.1	3354.0	2672.9
0.0	0.0	40°	10076.9	9275.6	8474.3	7623.4	6771.6	5920.7	5069.8	4233.7	3397.6
0.0	0.0	42.5°	13876.8	12794.2	11711.6	10579.4	9446.3	8314.1	7181.0	6001.7	4821.6
0.0	0.0	45°	18165.4	16822.4	15478.5	14207.8	12936.2	11665.5	10394.8	8776.5	7158.3
0.0	0.0	47.5°	20577.0	19126.9	17676.8	16474.0	15271.2	14068.4	12865.6	11121.1	9376.6
0.0	0.0	50°	21464.5	19988.2	18512.0	17405.0	16297.2	15190.2	14082.4	12335.2	10587.2
0.0	0.0	52.5°	21653.5	20147.6	18641.8	17527.8	16413.9	15300.8	14186.9	12451.1	10715.3
0.0	0.0	55°	22041.9	20426.3	18809.9	17540.0	16270.2	15000.3	13730.5	11966.8	10203.2
0.0	0.0	57.5°	22549.7	20893.2	19236.6	17790.0	16343.3	14897.6	13450.9	11522.6	9594.4
0.0	0.0	60°	22416.4	20975.0	19532.7	17983.3	16433.0	14883.6	13333.3	11212.6	9091.0
0.0	0.0	62.5°	20103.2	18955.3	17806.5	16532.3	15257.3	13983.1	12708.9	10525.4	8341.9
0.0	0.0	65°	16538.4	15700.6	14862.7	13837.6	12811.6	11786.5	10761.4	8803.5	6846.5
0.0	0.0	67.5°	13403.9	12459.8	11514.8	10697.8	9880.0	9063.1	8245.3	6704.6	5163.8
		70°	10649.1	9622.2	8594.5	7796.7	6998.1	6200.3	5402.5	4378.3	3354.9
		72.5°	8456.9	7531.1	6605.3	5754.4	4902.6	4051.6	3199.9	2594.6	1989.2
		75°	4042.1	3671.9	3301.8	2856.7	2411.7	1966.6	1521.5	1257.6	994.6
		77.5°	1498.0	1298.6	1098.3	917.1	736.0	555.7	374.5	343.2	311.8
		80°	387.6	337.9	287.4	251.7	215.1	179.4	143.7	129.8	116.7
		82.5°	44.4	40.9	38.3	36.6	34.0	32.2	29.6	27.0	24.4
		85°	2.6	1.7	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: P1049146
CATALOG NUMBER: GALN-SA3B-830-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049146

CATALOG NUMBER: GALN-SA3B-830-U-RBC

CANDELA DISTRIBUTION (continued):

352.5°	355°		357.5°	360°
0.0	0.0	0°	50.5	50.5
0.0	0.0	2.5°	47.0	46.2
0.0	0.0	5°	49.6	48.8
0.0	0.0	7.5°	54.9	53.1
0.0	0.0	10°	60.1	58.4
0.0	0.0	12.5°	67.9	65.3
0.0	0.0	15°	76.6	71.4
0.0	0.0	17.5°	91.4	80.1
0.0	0.0	20°	123.7	94.9
0.0	0.0	22.5°	174.2	118.4
0.0	0.0	25°	256.1	163.7
0.0	0.0	27.5°	356.2	217.7
0.0	0.0	30°	473.8	272.6
0.0	0.0	32.5°	577.4	324.9
0.0	0.0	35°	712.4	378.0
0.0	0.0	37.5°	878.8	445.9
0.0	0.0	40°	1136.6	548.7
0.0	0.0	42.5°	1600.8	738.6
0.0	0.0	45°	2599.8	1276.8
0.0	0.0	47.5°	4000.3	2112.0
0.0	0.0	50°	4893.9	2695.6
0.0	0.0	52.5°	4967.0	2691.2
0.0	0.0	55°	4534.2	2392.5
0.0	0.0	57.5°	3868.7	1999.7
0.0	0.0	60°	3215.5	1581.6
0.0	0.0	62.5°	2533.6	1092.2
0.0	0.0	65°	1851.6	772.5
0.0	0.0	67.5°	1329.9	577.4
		70°	874.4	442.4
		72.5°	569.6	360.6
		75°	383.2	298.7
		77.5°	223.8	198.6
		80°	79.3	69.7
		82.5°	14.8	10.5
		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: P1049146

CATALOG NUMBER: GALN-SA3B-830-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: SP1-2407-184-9

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-830-U-5WQ

Data in this report applies to families of products including GSS-SB1A-830-U-5WQ

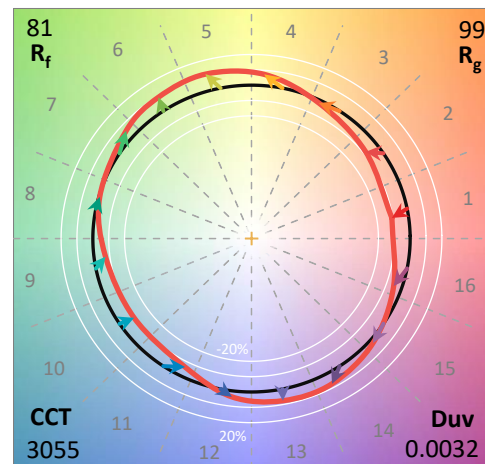
Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-9
 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-830-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI
 3000K CCT 26 LEDS

Spectral Parameters

CCT (K): 3055
 CIE u' : 0.2475
 CIE v' : 0.5247
 Duv: 0.0032
 CIE x: 0.4377
 CIE y: 0.4124
 CIE z: 0.1499
 Peak Wavelength (nm): 604
 Dominant Wavelength (nm): 581
 Purity: 55.16339
 R_f: 81.5
 R_g: 99.2

CRI (Ra): 80.9
 R1: 79.5
 R2: 85.6
 R3: 92.1
 R4: 82.4
 R5: 78.9
 R6: 81.7
 R7: 85.1
 R8: 61.9
 R9: 6.8
 R10: 67.1
 R11: 82.5
 R12: 63.4
 R13: 80.2
 R14: 95.1
 R15: 71.7



Test Conditions

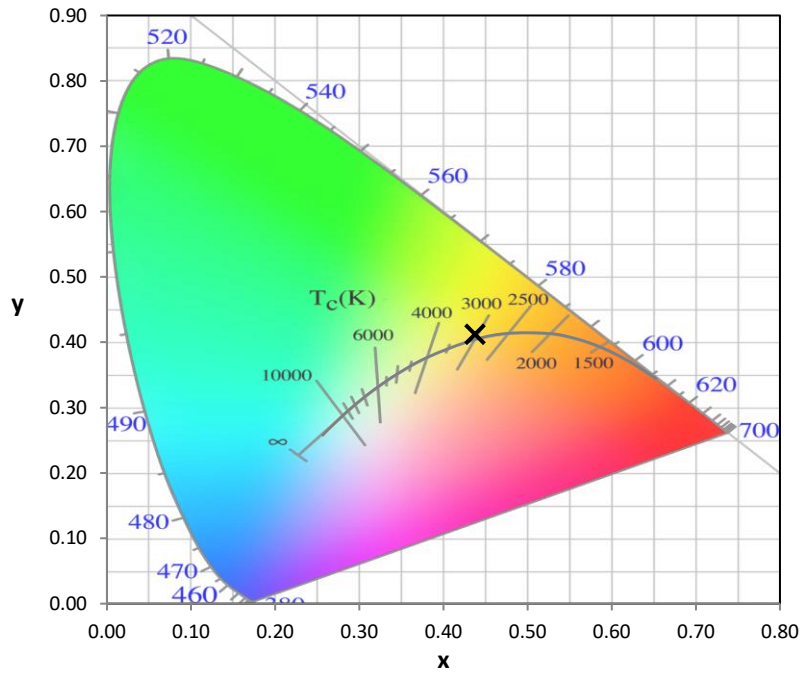
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-9

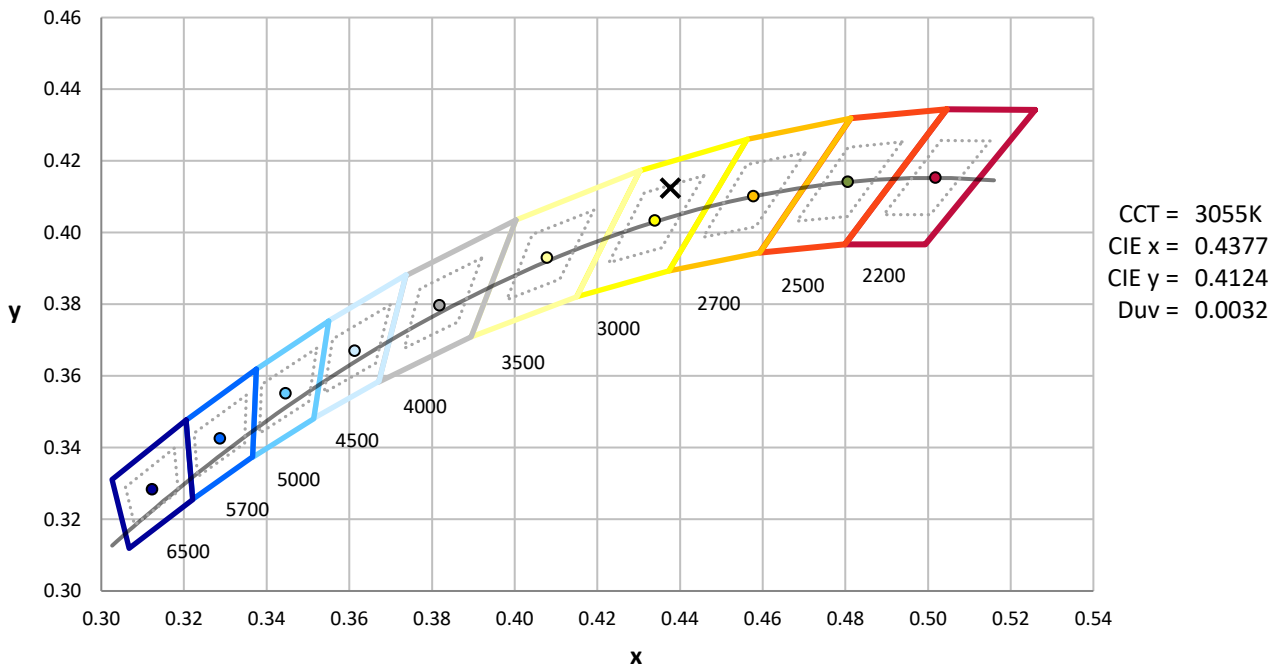
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-9

CIE 1931 Chromaticity Diagram

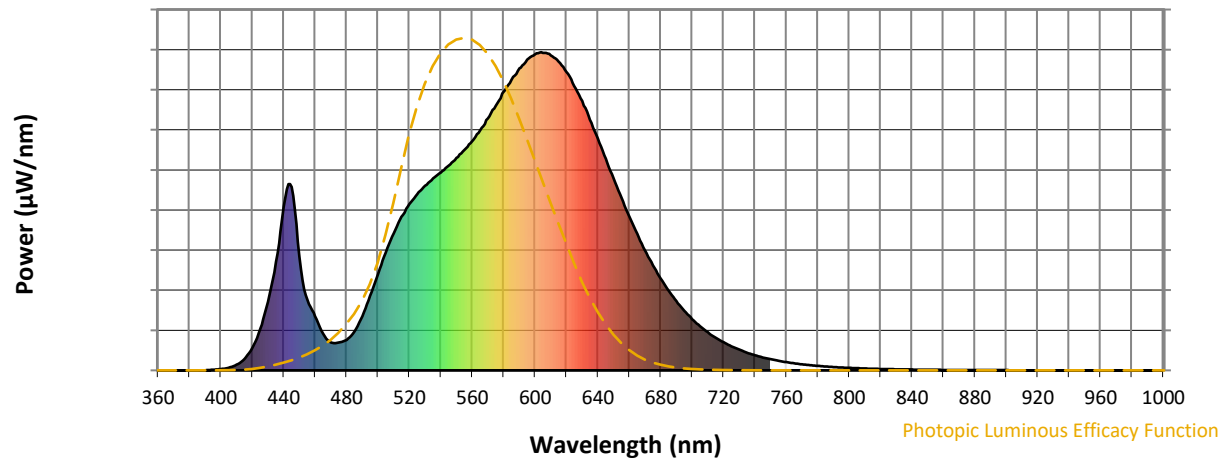


CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



REPORT NUMBER: SP1-2407-184-9

Photopic Flux vs. Wavelength

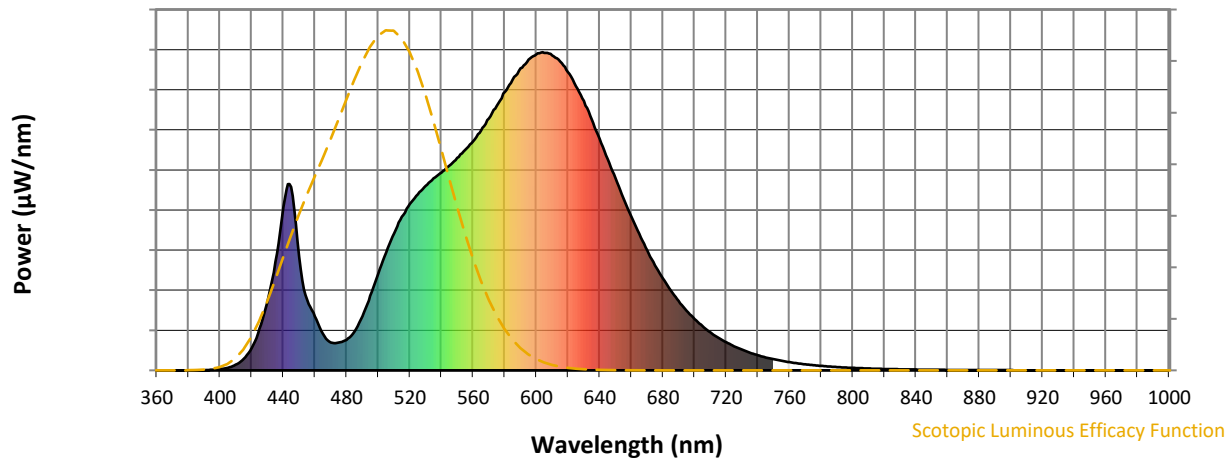


Photopic Lumens: NR

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	170	NR	620	938	NR	750	35	NR	880	1	NR
365	0	NR	495	234	NR	625	894	NR	755	30	NR	885	1	NR
370	0	NR	500	302	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	371	NR	635	788	NR	765	22	NR	895	1	NR
380	0	NR	510	431	NR	640	728	NR	770	19	NR	900	1	NR
385	0	NR	515	482	NR	645	665	NR	775	16	NR	905	1	NR
390	0	NR	520	523	NR	650	603	NR	780	14	NR	910	0	NR
395	2	NR	525	553	NR	655	542	NR	785	12	NR	915	0	NR
400	4	NR	530	580	NR	660	484	NR	790	11	NR	920	0	NR
405	8	NR	535	603	NR	665	430	NR	795	9	NR	925	0	NR
410	18	NR	540	622	NR	670	377	NR	800	8	NR	930	0	NR
415	36	NR	545	644	NR	675	330	NR	805	7	NR	935	0	NR
420	71	NR	550	668	NR	680	289	NR	810	6	NR	940	0	NR
425	131	NR	555	693	NR	685	250	NR	815	5	NR	945	0	NR
430	215	NR	560	720	NR	690	218	NR	820	4	NR	950	0	NR
435	341	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	514	NR	570	792	NR	700	161	NR	830	3	NR	960	0	NR
445	576	NR	575	832	NR	705	139	NR	835	3	NR	965	0	NR
450	358	NR	580	875	NR	710	119	NR	840	3	NR	970	0	NR
455	222	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	170	NR	590	950	NR	720	88	NR	850	2	NR	980	0	NR
465	115	NR	595	977	NR	725	76	NR	855	2	NR	985	0	NR
470	88	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	87	NR	605	997	NR	735	56	NR	865	1	NR	995	0	NR
480	96	NR	610	990	NR	740	47	NR	870	1	NR	1000	0	NR
485	122	NR	615	971	NR	745	41	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-9

Scotopic Flux vs. Wavelength



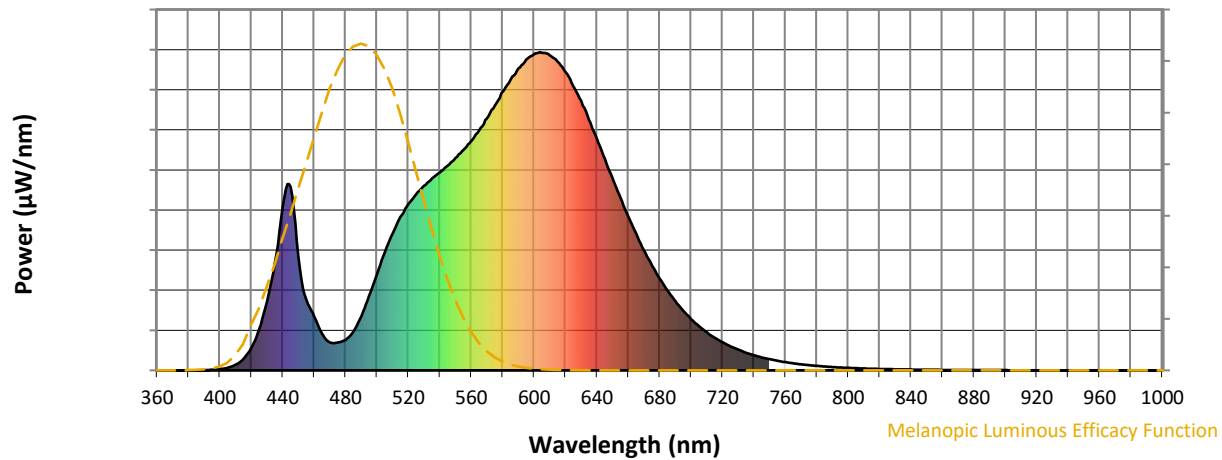
Scotopic Lumens: NR

S/P: 1.28

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	170	NR	620	938	NR	750	35	NR	880	1	NR
365	0	NR	495	234	NR	625	894	NR	755	30	NR	885	1	NR
370	0	NR	500	302	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	371	NR	635	788	NR	765	22	NR	895	1	NR
380	0	NR	510	431	NR	640	728	NR	770	19	NR	900	1	NR
385	0	NR	515	482	NR	645	665	NR	775	16	NR	905	1	NR
390	0	NR	520	523	NR	650	603	NR	780	14	NR	910	0	NR
395	2	NR	525	553	NR	655	542	NR	785	12	NR	915	0	NR
400	4	NR	530	580	NR	660	484	NR	790	11	NR	920	0	NR
405	8	NR	535	603	NR	665	430	NR	795	9	NR	925	0	NR
410	18	NR	540	622	NR	670	377	NR	800	8	NR	930	0	NR
415	36	NR	545	644	NR	675	330	NR	805	7	NR	935	0	NR
420	71	NR	550	668	NR	680	289	NR	810	6	NR	940	0	NR
425	131	NR	555	693	NR	685	250	NR	815	5	NR	945	0	NR
430	215	NR	560	720	NR	690	218	NR	820	4	NR	950	0	NR
435	341	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	514	NR	570	792	NR	700	161	NR	830	3	NR	960	0	NR
445	576	NR	575	832	NR	705	139	NR	835	3	NR	965	0	NR
450	358	NR	580	875	NR	710	119	NR	840	3	NR	970	0	NR
455	222	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	170	NR	590	950	NR	720	88	NR	850	2	NR	980	0	NR
465	115	NR	595	977	NR	725	76	NR	855	2	NR	985	0	NR
470	88	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	87	NR	605	997	NR	735	56	NR	865	1	NR	995	0	NR
480	96	NR	610	990	NR	740	47	NR	870	1	NR	1000	0	NR
485	122	NR	615	971	NR	745	41	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-9

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.33

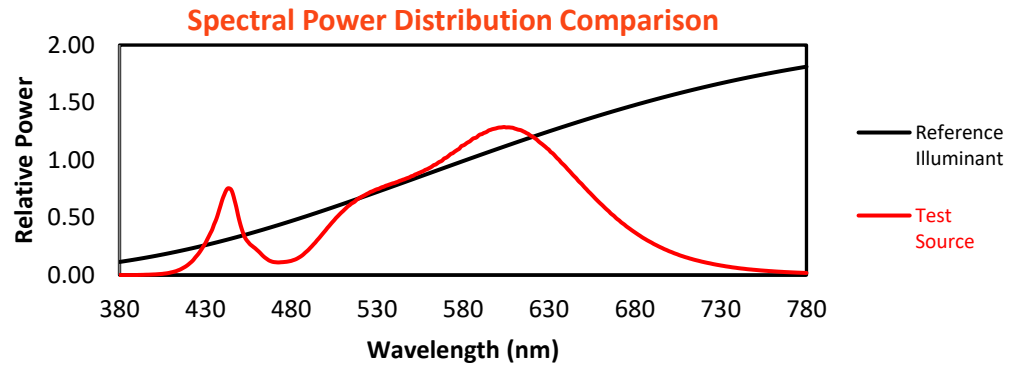
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	170	NR	620	938	NR	750	35	NR	880	1	NR
365	0	NR	495	234	NR	625	894	NR	755	30	NR	885	1	NR
370	0	NR	500	302	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	371	NR	635	788	NR	765	22	NR	895	1	NR
380	0	NR	510	431	NR	640	728	NR	770	19	NR	900	1	NR
385	0	NR	515	482	NR	645	665	NR	775	16	NR	905	1	NR
390	0	NR	520	523	NR	650	603	NR	780	14	NR	910	0	NR
395	2	NR	525	553	NR	655	542	NR	785	12	NR	915	0	NR
400	4	NR	530	580	NR	660	484	NR	790	11	NR	920	0	NR
405	8	NR	535	603	NR	665	430	NR	795	9	NR	925	0	NR
410	18	NR	540	622	NR	670	377	NR	800	8	NR	930	0	NR
415	36	NR	545	644	NR	675	330	NR	805	7	NR	935	0	NR
420	71	NR	550	668	NR	680	289	NR	810	6	NR	940	0	NR
425	131	NR	555	693	NR	685	250	NR	815	5	NR	945	0	NR
430	215	NR	560	720	NR	690	218	NR	820	4	NR	950	0	NR
435	341	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	514	NR	570	792	NR	700	161	NR	830	3	NR	960	0	NR
445	576	NR	575	832	NR	705	139	NR	835	3	NR	965	0	NR
450	358	NR	580	875	NR	710	119	NR	840	3	NR	970	0	NR
455	222	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	170	NR	590	950	NR	720	88	NR	850	2	NR	980	0	NR
465	115	NR	595	977	NR	725	76	NR	855	2	NR	985	0	NR
470	88	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	87	NR	605	997	NR	735	56	NR	865	1	NR	995	0	NR
480	96	NR	610	990	NR	740	47	NR	870	1	NR	1000	0	NR
485	122	NR	615	971	NR	745	41	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-9

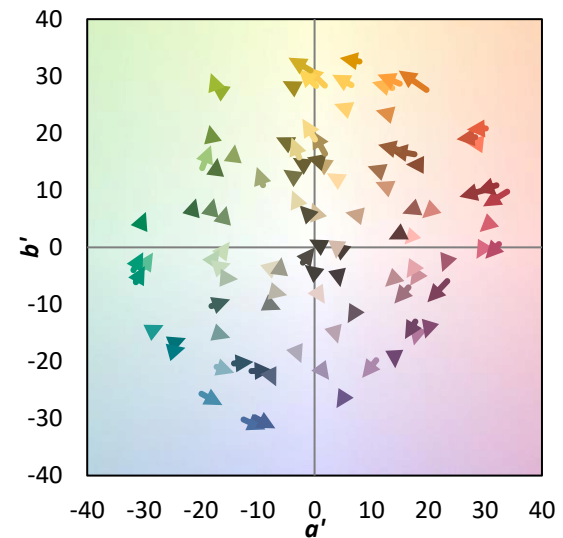
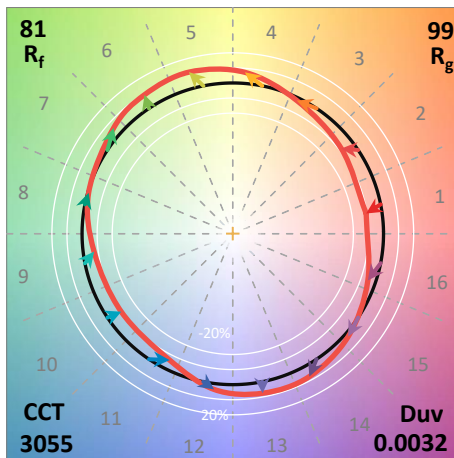
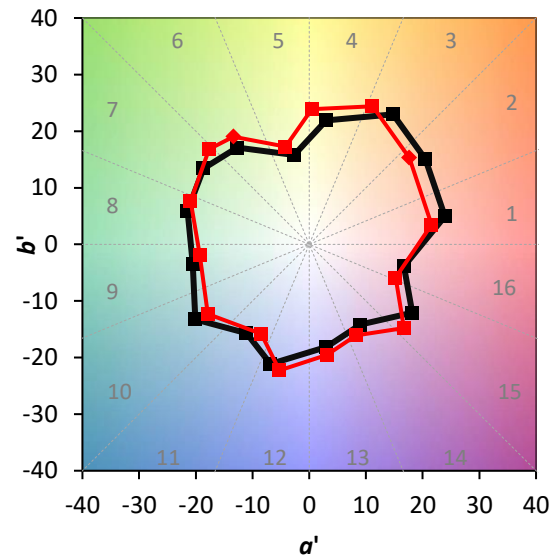
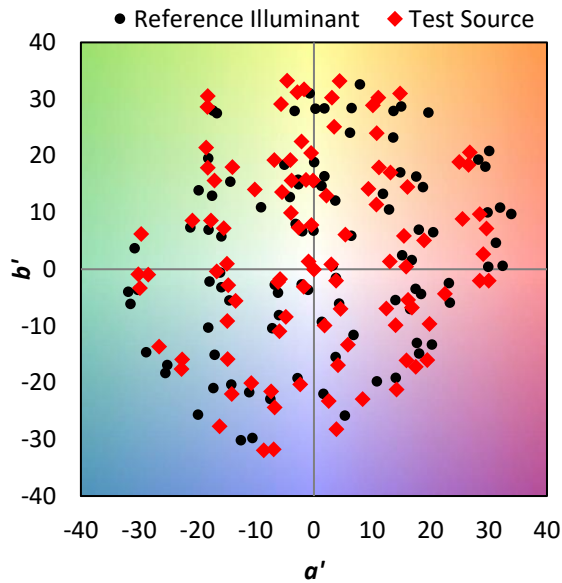
TM-30-18

Summary

$R_f = 81.5$
 $R_g = 99.2$
 $CIE R_a = 80.9$
 $R_9 = 6.8$

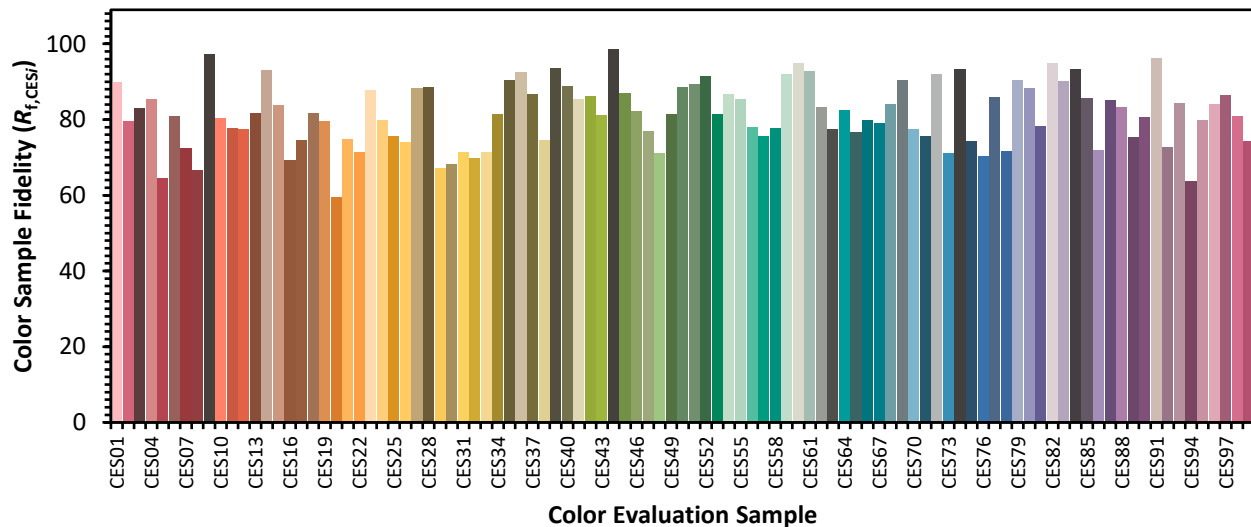


Color Vector Graphics

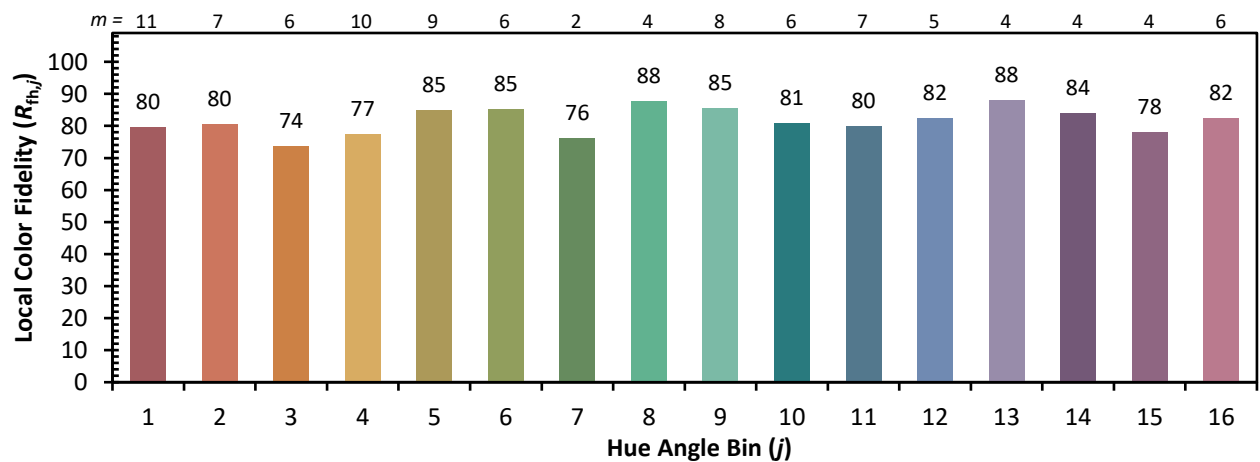
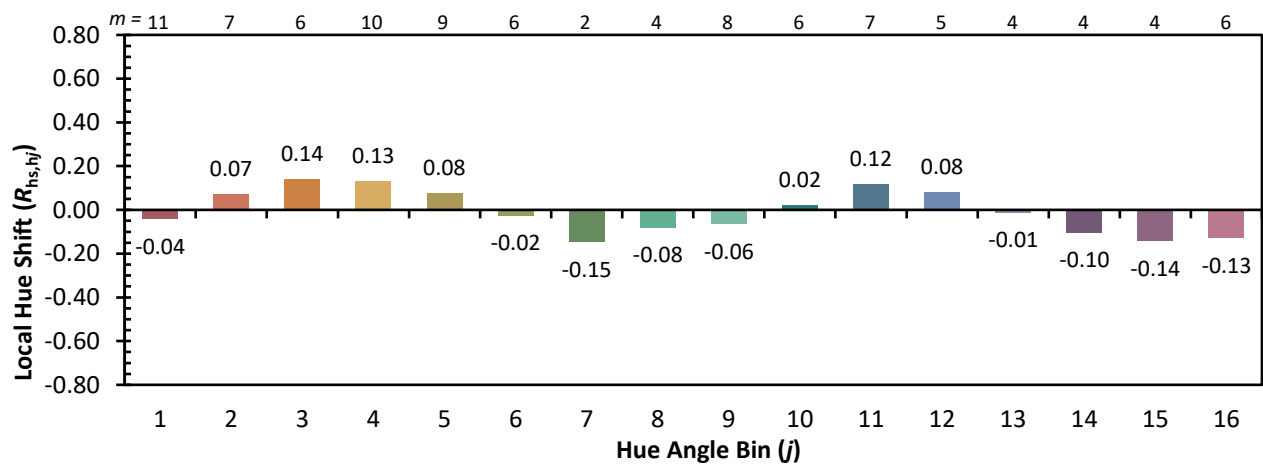
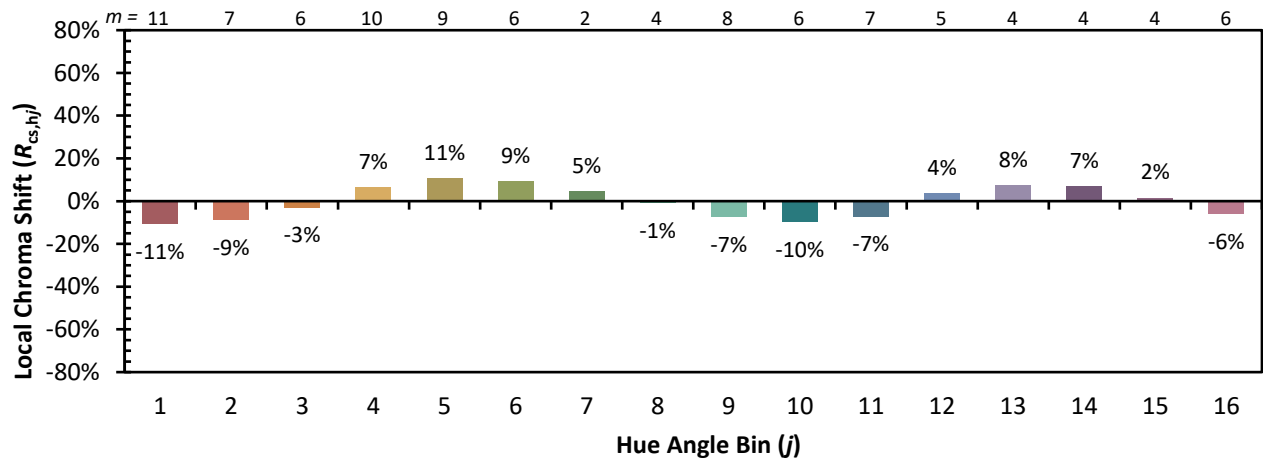


Individual Sample Fidelity Index ($R_{f,i}$)

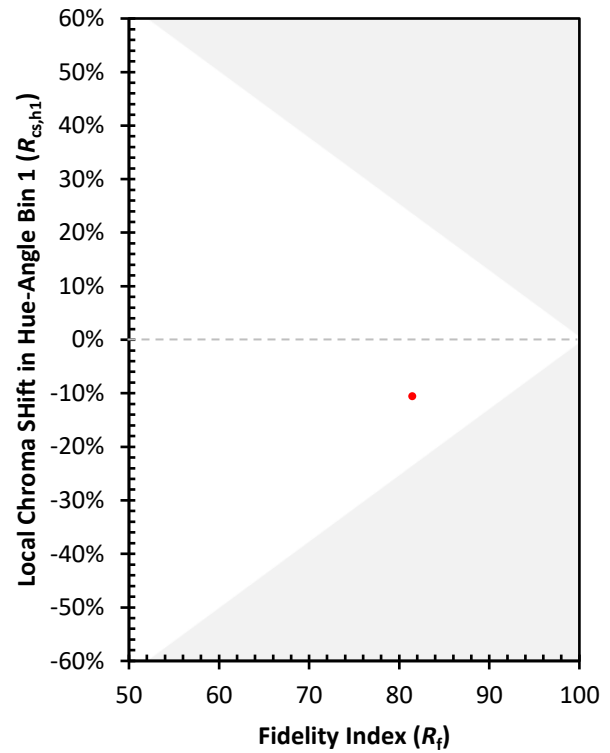
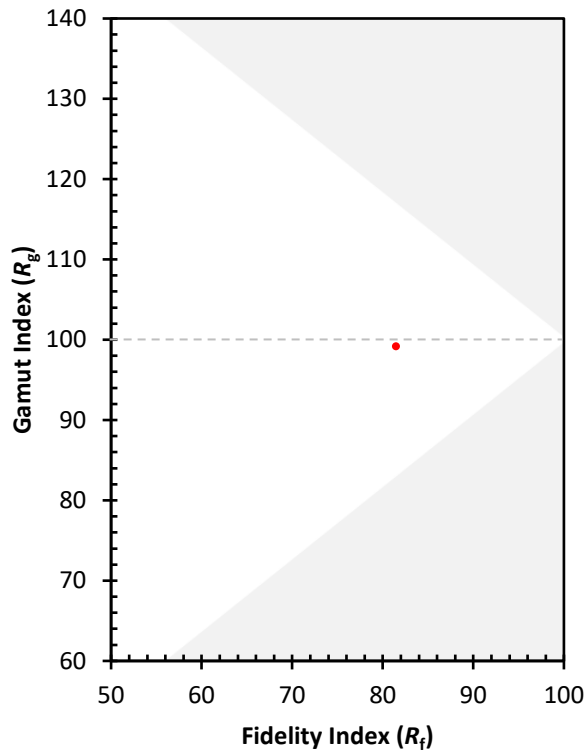
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 91	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82 = 95
CES08 = 41	CES33 = 71	CES58 = 78	CES83 = 90
CES09 = 29	CES34 = 82	CES59 = 92	CES84 = 93
CES10 = 76	CES35 = 90	CES60 = 95	CES85 = 86
CES11 = 59	CES36 = 93	CES61 = 93	CES86 = 72
CES12 = 65	CES37 = 87	CES62 = 83	CES87 = 85
CES13 = 43	CES38 = 75	CES63 = 77	CES88 = 83
CES14 = 74	CES39 = 94	CES64 = 83	CES89 = 75
CES15 = 71	CES40 = 89	CES65 = 77	CES90 = 81
CES16 = 47	CES41 = 85	CES66 = 80	CES91 = 96
CES17 = 50	CES42 = 86	CES67 = 79	CES92 = 73
CES18 = 56	CES43 = 81	CES68 = 84	CES93 = 84
CES19 = 72	CES44 = 99	CES69 = 90	CES94 = 64
CES20 = 66	CES45 = 87	CES70 = 77	CES95 = 80
CES21 = 87	CES46 = 82	CES71 = 76	CES96 = 84
CES22 = 79	CES47 = 77	CES72 = 92	CES97 = 87
CES23 = 92	CES48 = 71	CES73 = 71	CES98 = 81
CES24 = 91	CES49 = 81	CES74 = 93	CES99 = 74
CES25 = 72	CES50 = 89	CES75 = 74	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)