

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: P1049225

Luminaire Tested: **GALN-SA5A-840-U-RBC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1049225
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA5A-840-U-RBC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 615mA 5xLight Square PACKAGE
80CRI 4000K FIXTURE w/ RIGHT CORNER BACKLIGHT CONTROL
Light Source: (70) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14783.9 lumens
Efficiency: N/A
Efficacy: 108.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G3

Input Watts (W): 136.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

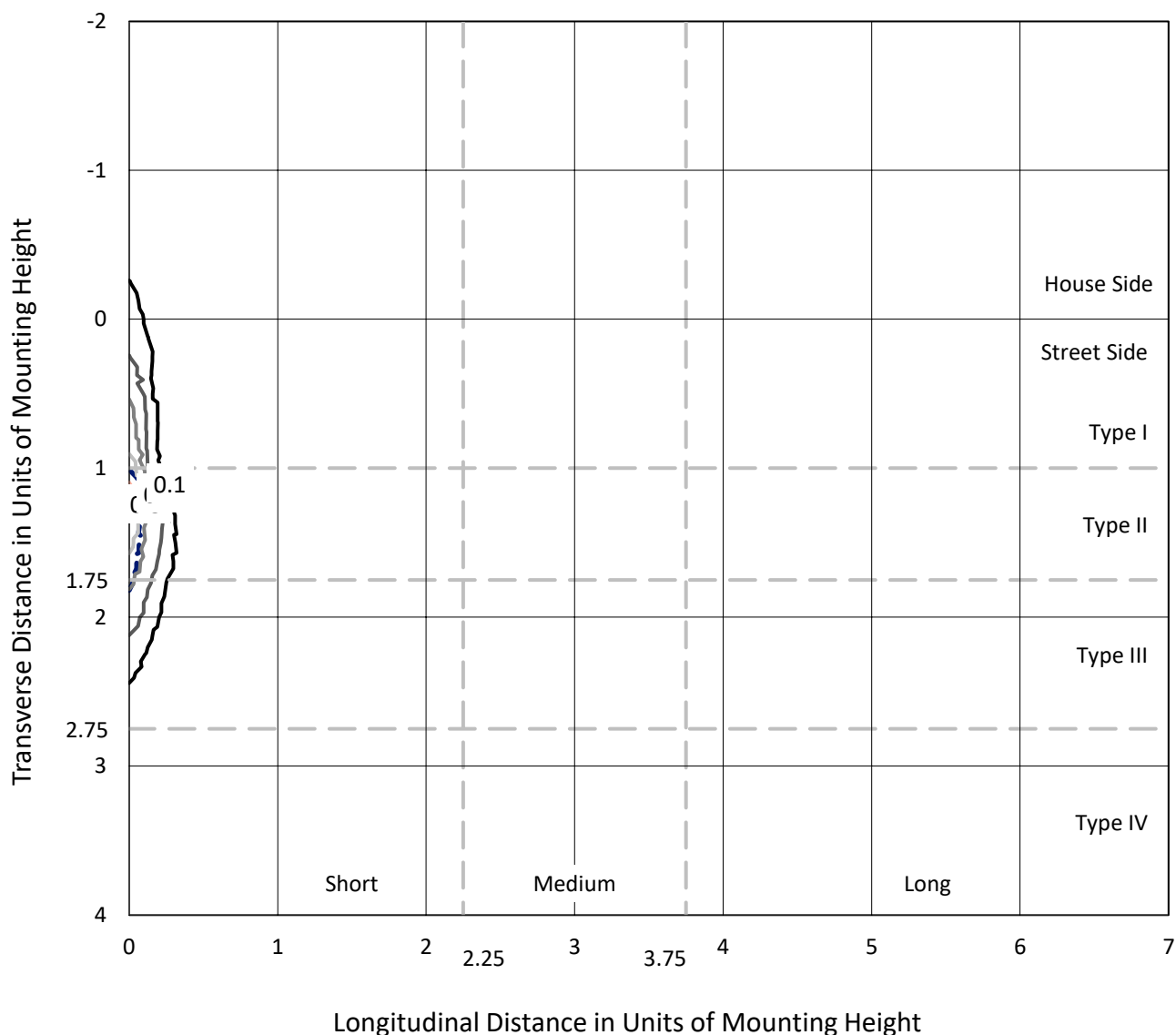
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

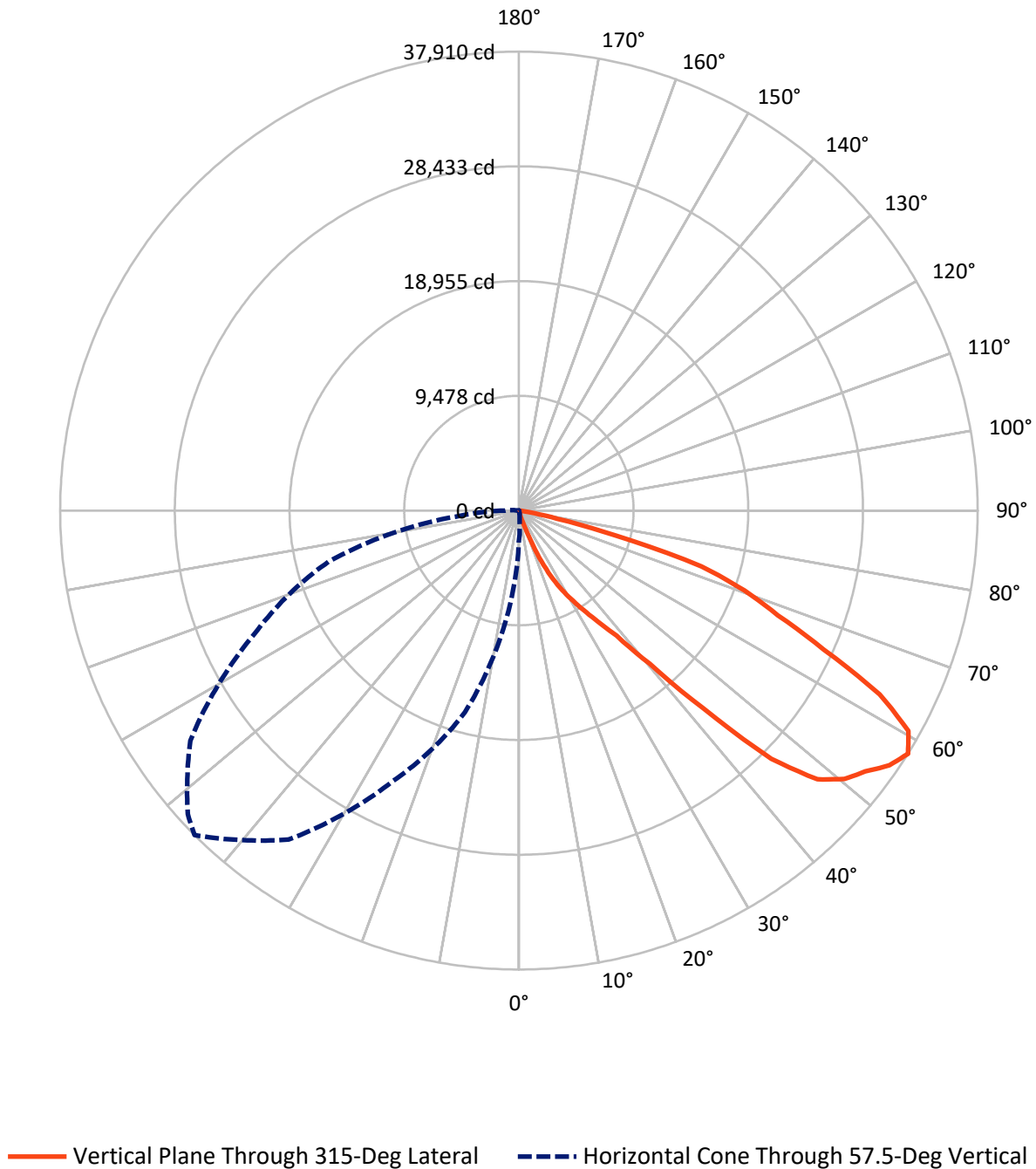


Based on 20 foot mounting height. Maximum calculated value = 2.2 fc

Type III - Short - N/A

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Luminous Intensity Polar Plot



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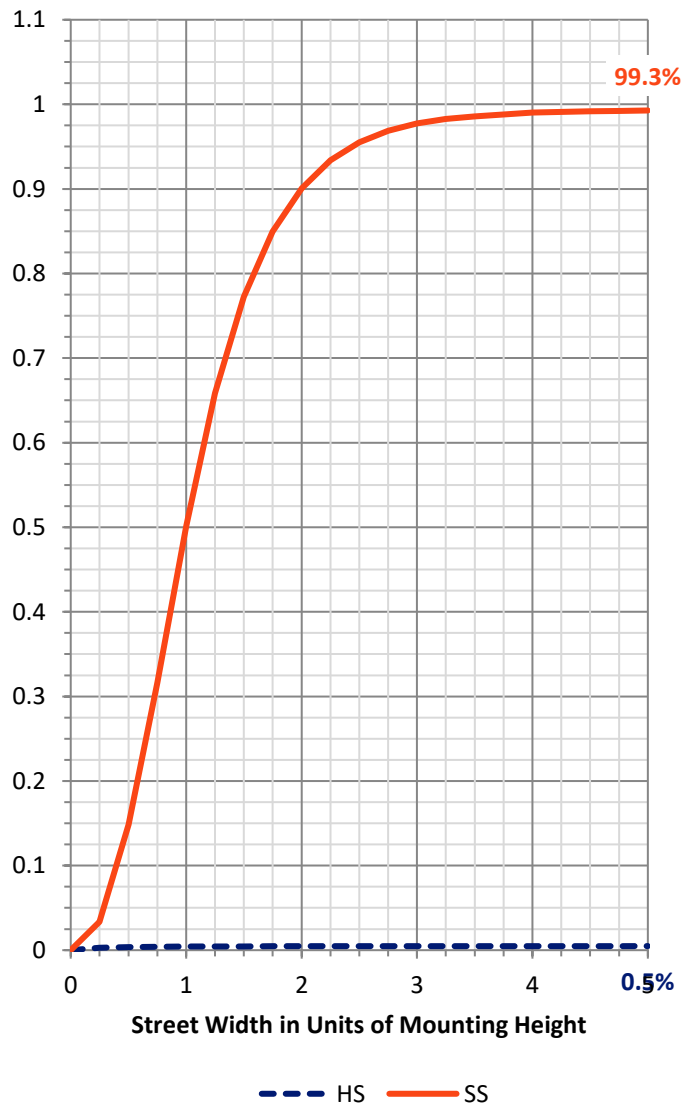
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	74.0	0.0	74.0
	% Fixture	0.5	0.0	0.5
Street Side	Lumens	14709.8	0.0	14709.8
	% Fixture	99.5	0.0	99.5
Total	Lumens	14783.9	0.0	14783.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.8	0.0
10°-20°	32.5	0.2
20°-30°	350.4	2.4
30°-40°	1036.1	7.0
40°-50°	3087.8	20.9
50°-60°	4896.1	33.1
60°-70°	4087.0	27.6
70°-80°	1260.3	8.5
80°-90°	28.0	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°	14783.9	100.0
0°-180°	14783.9	100.0



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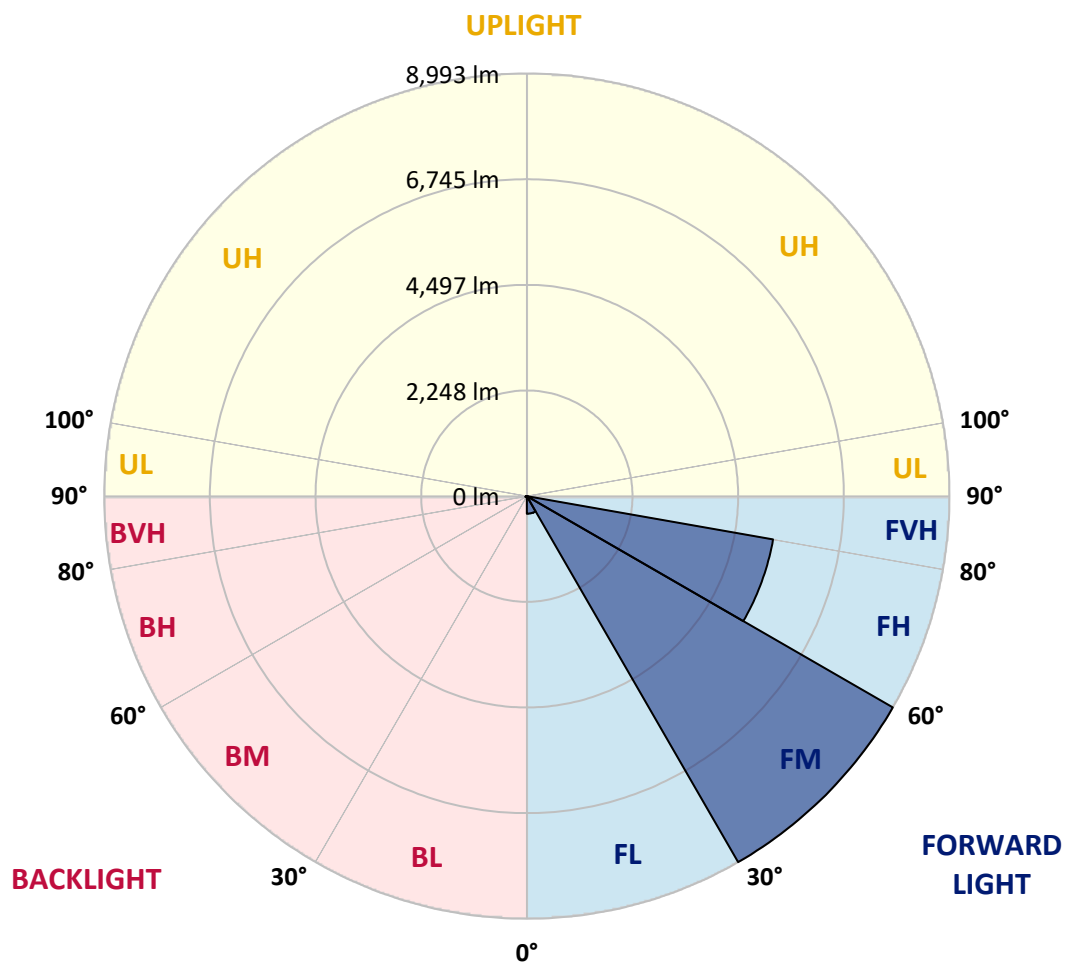
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	375.0	2.5			
FM	(30°-60°)	8993.4	60.8			
FH	(60°-80°)	5319.7	36.0			G3/7500
FVH	(80°-90°)	21.7	0.1			G1/100
BL	(0°-30°)	13.6	0.1	B0/110		
BM	(30°-60°)	26.5	0.2	B0/220		
BH	(60°-80°)	27.6	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



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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°
0°	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
2.5°	59.2	59.2	59.2	59.2	58.1	58.1	57.0	57.0	55.9	55.9
5°	62.6	62.6	61.4	60.3	60.3	59.2	58.1	57.0	57.0	55.9
7.5°	68.1	67.0	65.9	64.8	62.6	61.4	59.2	58.1	57.0	54.7
10°	74.9	72.6	70.4	68.1	65.9	63.7	61.4	60.3	58.1	57.0
12.5°	83.8	80.4	76.0	72.6	70.4	67.0	64.8	62.6	59.2	57.0
15°	91.6	87.1	81.6	77.1	73.7	69.3	65.9	62.6	60.3	57.0
17.5°	102.8	95.0	86.0	80.4	76.0	70.4	64.8	61.4	58.1	53.6
20°	121.8	106.1	89.4	82.7	76.0	69.3	62.6	58.1	54.7	50.3
22.5°	151.9	125.1	98.3	88.3	79.3	69.3	60.3	55.9	51.4	46.9
25°	210.0	162.0	114.0	100.5	87.1	73.7	60.3	54.7	50.3	44.7
27.5°	279.3	207.8	135.2	116.2	98.3	79.3	60.3	53.6	48.0	41.3
30°	349.7	254.7	158.6	134.1	109.5	84.9	60.3	52.5	45.8	38.0
32.5°	416.7	298.3	178.8	149.7	120.7	90.5	61.4	52.5	43.6	34.6
35°	484.9	334.0	182.1	151.9	121.8	90.5	60.3	50.3	41.3	31.3
37.5°	572.0	374.3	175.4	145.2	116.2	86.0	57.0	48.0	39.1	29.0
40°	703.8	441.3	178.8	147.5	116.2	84.9	53.6	44.7	36.9	27.9
42.5°	947.4	570.9	193.3	157.5	121.8	84.9	49.2	41.3	34.6	26.8
45°	1637.8	948.5	259.2	205.6	151.9	98.3	44.7	38.0	32.4	25.7
47.5°	2709.2	1587.5	465.9	359.7	254.7	148.6	43.6	38.0	32.4	25.7
50°	3457.7	2022.1	586.5	451.4	316.2	181.0	45.8	39.1	33.5	26.8
52.5°	3452.2	2053.4	653.6	501.6	350.8	198.9	48.0	41.3	35.8	29.0
55°	3069.0	1868.0	665.9	511.7	358.6	204.4	51.4	44.7	38.0	31.3
57.5°	2565.1	1586.4	607.8	470.3	334.0	196.6	59.2	51.4	44.7	36.9
60°	2028.8	1251.3	473.7	374.3	275.9	176.5	78.2	68.1	59.2	49.2
62.5°	1401.0	907.2	413.4	331.8	251.4	169.8	89.4	79.3	70.4	60.3
65°	991.0	682.6	373.1	303.9	235.7	166.5	97.2	86.0	76.0	64.8
67.5°	740.7	543.0	344.1	284.9	225.7	166.5	107.3	93.8	81.6	68.1
70°	567.5	445.8	322.9	274.8	227.9	179.9	131.8	112.8	95.0	76.0
72.5°	462.5	381.0	298.3	263.7	229.0	194.4	159.8	135.2	110.6	84.9
75°	383.2	326.2	269.2	240.2	212.3	183.2	154.2	131.8	110.6	88.3
77.5°	254.7	232.4	208.9	192.2	175.4	157.5	140.8	121.8	103.9	84.9
80°	89.4	86.0	82.7	89.4	96.1	102.8	109.5	96.1	83.8	70.4
82.5°	13.4	12.3	11.2	12.3	13.4	14.5	15.6	16.8	17.9	19.0
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):

25°		27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°
0.0	0°	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
0.0	2.5°	54.7	54.7	53.6	53.6	53.6	52.5	52.5	51.4	51.4	51.4
0.0	5°	53.6	53.6	52.5	51.4	50.3	50.3	49.2	48.0	48.0	46.9
0.0	7.5°	52.5	51.4	50.3	49.2	48.0	46.9	45.8	44.7	44.7	43.6
0.0	10°	53.6	51.4	50.3	48.0	46.9	45.8	43.6	42.5	41.3	41.3
0.0	12.5°	51.4	50.3	48.0	45.8	44.7	42.5	41.3	39.1	38.0	38.0
0.0	15°	51.4	49.2	45.8	43.6	41.3	40.2	38.0	35.8	34.6	33.5
0.0	17.5°	48.0	45.8	42.5	40.2	38.0	35.8	33.5	31.3	30.2	29.0
0.0	20°	43.6	41.3	38.0	34.6	32.4	30.2	27.9	25.7	24.6	23.5
0.0	22.5°	39.1	36.9	33.5	30.2	27.9	25.7	22.3	20.1	19.0	16.8
0.0	25°	36.9	33.5	30.2	26.8	23.5	21.2	17.9	14.5	12.3	10.1
0.0	27.5°	31.3	27.9	24.6	21.2	17.9	14.5	11.2	7.8	5.6	4.5
0.0	30°	26.8	23.5	20.1	16.8	12.3	8.9	5.6	1.1	1.1	1.1
0.0	32.5°	22.3	19.0	14.5	11.2	8.9	5.6	3.4	0.0	0.0	0.0
0.0	35°	17.9	14.5	10.1	6.7	5.6	3.4	2.2	0.0	0.0	0.0
0.0	37.5°	15.6	12.3	7.8	3.4	2.2	2.2	1.1	0.0	0.0	0.0
0.0	40°	14.5	10.1	5.6	1.1	1.1	1.1	0.0	0.0	0.0	0.0
0.0	42.5°	14.5	10.1	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	14.5	10.1	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	14.5	10.1	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	15.6	11.2	5.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	17.9	13.4	8.9	4.5	3.4	2.2	1.1	0.0	0.0	0.0
0.0	55°	22.3	20.1	16.8	14.5	11.2	7.8	3.4	0.0	0.0	0.0
0.0	57.5°	29.0	29.0	27.9	26.8	20.1	13.4	6.7	0.0	0.0	0.0
0.0	60°	39.1	39.1	39.1	39.1	29.0	20.1	10.1	0.0	0.0	0.0
0.0	62.5°	48.0	45.8	42.5	40.2	30.2	20.1	10.1	0.0	0.0	0.0
0.0	65°	48.0	43.6	38.0	32.4	24.6	16.8	7.8	0.0	0.0	0.0
0.0	67.5°	44.7	35.8	25.7	16.8	12.3	8.9	4.5	0.0	0.0	0.0
	70°	44.7	31.3	17.9	4.5	3.4	2.2	1.1	0.0	0.0	0.0
	72.5°	44.7	30.2	14.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	75°	49.2	33.5	16.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	77.5°	49.2	33.5	16.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	80°	43.6	29.0	14.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	82.5°	14.5	10.1	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):

52.5°		55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°
0.0	0°	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
0.0	2.5°	50.3	50.3	50.3	49.2	49.2	49.2	49.2	48.0	48.0	48.0
0.0	5°	45.8	45.8	44.7	44.7	43.6	43.6	42.5	42.5	41.3	41.3
0.0	7.5°	42.5	41.3	41.3	40.2	39.1	39.1	38.0	38.0	36.9	35.8
0.0	10°	39.1	38.0	38.0	36.9	35.8	34.6	34.6	33.5	32.4	31.3
0.0	12.5°	35.8	34.6	33.5	32.4	31.3	30.2	30.2	29.0	27.9	26.8
0.0	15°	31.3	30.2	29.0	27.9	26.8	25.7	25.7	24.6	23.5	22.3
0.0	17.5°	26.8	25.7	25.7	24.6	23.5	22.3	21.2	19.0	17.9	16.8
0.0	20°	20.1	19.0	17.9	16.8	15.6	13.4	12.3	10.1	7.8	6.7
0.0	22.5°	13.4	11.2	10.1	7.8	5.6	4.5	3.4	1.1	0.0	0.0
0.0	25°	4.5	3.4	2.2	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: P1049225

CATALOG NUMBER: GALN-SA5A-840-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049225

CATALOG NUMBER: GALN-SA5A-840-U-RBC

CANDELA DISTRIBUTION (continued):

80°		82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°
0.0	0°	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
0.0	2.5°	46.9	46.9	46.9	45.8	45.8	45.8	45.8	45.8	45.8	45.8
0.0	5°	40.2	40.2	40.2	39.1	39.1	38.0	38.0	38.0	36.9	36.9
0.0	7.5°	34.6	33.5	33.5	32.4	32.4	31.3	31.3	31.3	30.2	30.2
0.0	10°	29.0	27.9	27.9	26.8	26.8	25.7	25.7	24.6	24.6	23.5
0.0	12.5°	25.7	24.6	23.5	22.3	22.3	21.2	20.1	20.1	19.0	17.9
0.0	15°	20.1	19.0	17.9	16.8	15.6	14.5	13.4	13.4	12.3	11.2
0.0	17.5°	13.4	11.2	10.1	8.9	8.9	7.8	6.7	5.6	4.5	3.4
0.0	20°	3.4	2.2	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

CATALOG NUMBER: GALN-SA5A-840-U-RBC

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REPORT NUMBER: P1049225

CATALOG NUMBER: GALN-SA5A-840-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°	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
0.0	2.5°	45.8	44.7	44.7	44.7	45.8	45.8	45.8	45.8	45.8	45.8
0.0	5°	36.9	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8
0.0	7.5°	30.2	29.0	29.0	29.0	29.0	27.9	27.9	27.9	27.9	27.9
0.0	10°	23.5	22.3	22.3	22.3	22.3	21.2	21.2	21.2	21.2	21.2
0.0	12.5°	16.8	16.8	15.6	15.6	15.6	14.5	14.5	14.5	14.5	13.4
0.0	15°	10.1	8.9	7.8	7.8	7.8	6.7	6.7	6.7	6.7	5.6
0.0	17.5°	2.2	2.2	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



REPORT NUMBER: P1049225

CATALOG NUMBER: GALN-SA5A-840-U-RBC

CANDELA DISTRIBUTION (continued):

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REPORT NUMBER: P1049225

CATALOG NUMBER: GALN-SA5A-840-U-RBC

CANDELA DISTRIBUTION (continued):

135°		137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°
0.0	0°	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
0.0	2.5°	46.9	46.9	48.0	48.0	49.2	51.4	52.5	53.6	55.9	58.1
0.0	5°	36.9	38.0	38.0	39.1	40.2	41.3	42.5	43.6	45.8	48.0
0.0	7.5°	29.0	29.0	30.2	30.2	31.3	33.5	34.6	35.8	38.0	41.3
0.0	10°	22.3	22.3	23.5	23.5	24.6	26.8	27.9	29.0	31.3	34.6
0.0	12.5°	14.5	15.6	15.6	16.8	17.9	20.1	21.2	22.3	24.6	26.8
0.0	15°	6.7	7.8	7.8	8.9	10.1	12.3	13.4	14.5	16.8	20.1
0.0	17.5°	1.1	1.1	2.2	2.2	3.4	4.5	5.6	6.7	10.1	12.3
0.0	20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	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



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CANDELA DISTRIBUTION (continued):

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REPORT NUMBER: P1049225

CATALOG NUMBER: GALN-SA5A-840-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°	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
0.0	2.5°	61.4	63.7	65.9	68.1	70.4	72.6	73.7	76.0	77.1	78.2
0.0	5°	52.5	54.7	58.1	60.3	62.6	64.8	67.0	68.1	69.3	70.4
0.0	7.5°	45.8	48.0	51.4	53.6	55.9	58.1	60.3	62.6	63.7	64.8
0.0	10°	39.1	42.5	44.7	48.0	50.3	52.5	54.7	57.0	59.2	60.3
0.0	12.5°	31.3	34.6	38.0	40.2	43.6	46.9	49.2	51.4	53.6	55.9
0.0	15°	24.6	27.9	31.3	33.5	36.9	40.2	43.6	45.8	48.0	50.3
0.0	17.5°	17.9	21.2	24.6	26.8	30.2	33.5	35.8	39.1	41.3	43.6
0.0	20°	8.9	12.3	15.6	19.0	22.3	25.7	27.9	31.3	33.5	35.8
0.0	22.5°	1.1	4.5	7.8	10.1	13.4	16.8	19.0	22.3	24.6	26.8
0.0	25°	0.0	1.1	3.4	4.5	5.6	7.8	10.1	12.3	14.5	16.8
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	1.1	2.2	4.5	6.7	8.9
0.0	30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2
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	2.2
	85°	0.0	0.0	0.0	0.0	0.0	2.2	3.4	5.6	6.7	7.8
	87.5°	0.0	1.1	2.2	3.4	4.5	6.7	8.9	11.2	12.3	13.4
	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1049225

CATALOG NUMBER: GALN-SA5A-840-U-RBC

CANDELA DISTRIBUTION (continued):

190°		165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°
64.8	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
78.2	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
71.5	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65.9	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.6	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.0	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
46.9	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38.0	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29.0	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20.1	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.2	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											
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REPORT NUMBER: P1049225

CATALOG NUMBER: GALN-SA5A-840-U-RBC

CANDELA DISTRIBUTION (continued):

190°		192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°
0.0	0°	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
0.0	2.5°	79.3	79.3	79.3	79.3	78.2	78.2	78.2	77.1	77.1	76.0
0.0	5°	72.6	73.7	73.7	73.7	73.7	73.7	73.7	73.7	72.6	72.6
0.0	7.5°	67.0	68.1	69.3	69.3	70.4	70.4	70.4	69.3	69.3	68.1
0.0	10°	63.7	64.8	64.8	65.9	65.9	65.9	65.9	65.9	65.9	65.9
0.0	12.5°	59.2	60.3	61.4	61.4	62.6	62.6	62.6	62.6	61.4	61.4
0.0	15°	53.6	55.9	57.0	58.1	58.1	59.2	59.2	59.2	59.2	59.2
0.0	17.5°	49.2	51.4	52.5	53.6	53.6	54.7	54.7	55.9	55.9	55.9
0.0	20°	40.2	42.5	43.6	45.8	46.9	48.0	49.2	50.3	50.3	51.4
0.0	22.5°	31.3	33.5	34.6	36.9	38.0	39.1	40.2	41.3	42.5	43.6
0.0	25°	22.3	24.6	25.7	27.9	29.0	30.2	31.3	32.4	32.4	33.5
0.0	27.5°	12.3	14.5	16.8	17.9	20.1	21.2	22.3	23.5	24.6	25.7
0.0	30°	5.6	6.7	7.8	10.1	11.2	12.3	13.4	15.6	16.8	17.9
0.0	32.5°	0.0	0.0	1.1	3.4	4.5	5.6	6.7	7.8	7.8	8.9
0.0	35°	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.2	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°	2.2	2.2	2.2	3.4	3.4	3.4	3.4	3.4	3.4	3.4
	82.5°	5.6	6.7	7.8	7.8	8.9	8.9	8.9	8.9	7.8	7.8
	85°	11.2	12.3	13.4	13.4	14.5	14.5	14.5	14.5	14.5	14.5
	87.5°	15.6	16.8	17.9	17.9	19.0	19.0	19.0	19.0	19.0	19.0
	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: P1049225

CATALOG NUMBER: GALN-SA5A-840-U-RBC

CANDELA DISTRIBUTION (continued):

217.5°		192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°
64.8	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
76.0	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.6	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
68.1	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65.9	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61.4	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59.2	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55.9	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50.3	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43.6	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34.6	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26.8	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19.0	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.2	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.7	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.2	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.2	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.1	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.1	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.1	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.1	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.1	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
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REPORT NUMBER: P1049225

CATALOG NUMBER: GALN-SA5A-840-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°	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
0.0	2.5°	74.9	74.9	73.7	73.7	73.7	73.7	73.7	74.9	76.0	76.0
0.0	5°	71.5	71.5	70.4	70.4	70.4	71.5	71.5	72.6	73.7	74.9
0.0	7.5°	68.1	67.0	67.0	68.1	68.1	69.3	69.3	70.4	71.5	72.6
0.0	10°	65.9	64.8	64.8	64.8	65.9	65.9	67.0	68.1	69.3	70.4
0.0	12.5°	61.4	61.4	61.4	61.4	62.6	62.6	63.7	64.8	67.0	68.1
0.0	15°	59.2	58.1	58.1	58.1	58.1	59.2	59.2	61.4	63.7	64.8
0.0	17.5°	54.7	54.7	53.6	53.6	54.7	54.7	55.9	58.1	60.3	61.4
0.0	20°	50.3	49.2	48.0	48.0	49.2	49.2	50.3	52.5	54.7	55.9
0.0	22.5°	43.6	42.5	42.5	42.5	42.5	43.6	43.6	45.8	49.2	51.4
0.0	25°	34.6	35.8	35.8	36.9	36.9	38.0	39.1	41.3	44.7	46.9
0.0	27.5°	26.8	27.9	27.9	30.2	31.3	32.4	33.5	36.9	40.2	42.5
0.0	30°	20.1	21.2	22.3	23.5	25.7	27.9	30.2	33.5	36.9	39.1
0.0	32.5°	12.3	14.5	15.6	17.9	20.1	22.3	24.6	27.9	32.4	35.8
0.0	35°	8.9	10.1	12.3	13.4	15.6	17.9	20.1	24.6	27.9	32.4
0.0	37.5°	4.5	6.7	8.9	11.2	13.4	15.6	17.9	22.3	26.8	30.2
0.0	40°	3.4	5.6	6.7	8.9	12.3	14.5	16.8	21.2	25.7	30.2
0.0	42.5°	2.2	3.4	4.5	7.8	10.1	13.4	16.8	21.2	25.7	30.2
0.0	45°	2.2	2.2	3.4	6.7	10.1	14.5	17.9	22.3	25.7	30.2
0.0	47.5°	2.2	3.4	4.5	8.9	11.2	14.5	17.9	21.2	25.7	29.0
0.0	50°	3.4	4.5	5.6	10.1	12.3	15.6	17.9	22.3	25.7	30.2
0.0	52.5°	2.2	3.4	4.5	8.9	12.3	16.8	20.1	24.6	29.0	32.4
0.0	55°	1.1	1.1	1.1	6.7	13.4	19.0	25.7	29.0	33.5	36.9
0.0	57.5°	0.0	0.0	0.0	4.5	13.4	21.2	29.0	33.5	38.0	41.3
0.0	60°	0.0	0.0	0.0	4.5	11.2	17.9	24.6	33.5	43.6	52.5
0.0	62.5°	0.0	0.0	0.0	4.5	8.9	14.5	20.1	33.5	46.9	59.2
0.0	65°	0.0	0.0	0.0	3.4	8.9	13.4	19.0	33.5	46.9	61.4
0.0	67.5°	0.0	0.0	0.0	3.4	8.9	14.5	20.1	33.5	46.9	60.3
	70°	0.0	0.0	0.0	3.4	10.1	15.6	22.3	33.5	44.7	55.9
	72.5°	0.0	0.0	0.0	4.5	10.1	16.8	23.5	33.5	43.6	52.5
	75°	0.0	0.0	0.0	3.4	10.1	15.6	22.3	32.4	42.5	51.4
	77.5°	0.0	0.0	0.0	5.6	10.1	14.5	19.0	29.0	40.2	50.3
	80°	6.7	6.7	5.6	7.8	10.1	13.4	16.8	25.7	35.8	44.7
	82.5°	13.4	13.4	12.3	13.4	13.4	14.5	15.6	20.1	24.6	29.0
	85°	17.9	17.9	16.8	16.8	16.8	15.6	15.6	15.6	15.6	14.5
	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: P1049225

CATALOG NUMBER: GALN-SA5A-840-U-RBC

CANDELA DISTRIBUTION (continued):

245°		220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°
64.8	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.1	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
76.0	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
73.7	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
71.5	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
69.3	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.0	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
63.7	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58.1	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
53.6	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49.2	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45.8	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39.1	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35.8	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34.6	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34.6	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34.6	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33.5	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32.4	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33.5	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36.9	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40.2	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45.8	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
51.4	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61.4	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.6	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
74.9	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
73.7											
67.0											
62.6											
61.4											
60.3											
53.6											
33.5											
14.5											
0.0											
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REPORT NUMBER: P1049225

CATALOG NUMBER: GALN-SA5A-840-U-RBC

CANDELA DISTRIBUTION (continued):

245°		247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°
0.0	0°	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
0.0	2.5°	78.2	79.3	79.3	80.4	81.6	82.7	82.7	83.8	83.8	83.8
0.0	5°	77.1	79.3	80.4	81.6	82.7	83.8	84.9	86.0	87.1	87.1
0.0	7.5°	76.0	77.1	79.3	80.4	82.7	83.8	86.0	87.1	88.3	89.4
0.0	10°	73.7	76.0	78.2	80.4	82.7	84.9	87.1	89.4	91.6	92.7
0.0	12.5°	71.5	74.9	77.1	79.3	82.7	86.0	88.3	91.6	93.8	96.1
0.0	15°	70.4	72.6	76.0	78.2	82.7	87.1	90.5	95.0	99.4	102.8
0.0	17.5°	67.0	71.5	74.9	78.2	82.7	88.3	92.7	97.2	103.9	110.6
0.0	20°	62.6	65.9	70.4	73.7	80.4	86.0	92.7	98.3	108.4	118.4
0.0	22.5°	58.1	62.6	65.9	70.4	78.2	84.9	92.7	99.4	116.2	131.8
0.0	25°	53.6	59.2	63.7	68.1	77.1	86.0	95.0	103.9	131.8	159.8
0.0	27.5°	51.4	55.9	61.4	65.9	77.1	89.4	100.5	111.7	156.4	200.0
0.0	30°	48.0	53.6	58.1	63.7	78.2	92.7	107.3	121.8	189.9	258.1
0.0	32.5°	44.7	50.3	55.9	61.4	80.4	99.4	117.3	136.3	225.7	313.9
0.0	35°	41.3	48.0	53.6	59.2	83.8	109.5	134.1	158.6	258.1	356.4
0.0	37.5°	40.2	46.9	52.5	58.1	84.9	110.6	137.4	163.1	261.4	359.7
0.0	40°	41.3	46.9	53.6	59.2	81.6	103.9	125.1	147.5	250.3	351.9
0.0	42.5°	41.3	48.0	54.7	61.4	79.3	97.2	115.1	132.9	246.9	360.9
0.0	45°	40.2	46.9	53.6	60.3	77.1	92.7	109.5	125.1	267.0	407.8
0.0	47.5°	39.1	45.8	52.5	59.2	76.0	92.7	109.5	126.2	345.2	563.1
0.0	50°	39.1	45.8	51.4	57.0	77.1	98.3	118.4	138.5	502.7	865.8
0.0	52.5°	41.3	46.9	51.4	55.9	79.3	103.9	127.4	150.8	639.0	1126.1
0.0	55°	44.7	48.0	52.5	55.9	84.9	112.8	141.9	169.8	680.4	1190.9
0.0	57.5°	49.2	52.5	55.9	59.2	95.0	130.7	165.3	201.1	683.7	1165.2
0.0	60°	54.7	59.2	62.6	65.9	103.9	143.0	181.0	219.0	618.9	1017.8
0.0	62.5°	67.0	72.6	77.1	82.7	119.5	155.3	192.2	227.9	513.9	799.9
0.0	65°	77.1	81.6	86.0	90.5	126.2	163.1	198.9	234.6	435.7	636.8
0.0	67.5°	79.3	83.8	87.1	91.6	128.5	165.3	201.1	238.0	373.1	507.2
	70°	80.4	86.0	92.7	98.3	136.3	174.3	211.2	249.1	330.7	412.2
	72.5°	77.1	88.3	98.3	108.4	144.1	178.8	214.5	249.1	307.2	365.3
	75°	77.1	92.7	107.3	121.8	148.6	174.3	201.1	226.8	271.5	316.2
	77.5°	81.6	101.7	121.8	141.9	157.5	172.0	187.7	202.2	231.3	260.3
	80°	81.6	102.8	122.9	144.1	150.8	158.6	165.3	172.0	175.4	178.8
	82.5°	70.4	87.1	103.9	120.7	112.8	105.0	97.2	89.4	83.8	77.1
	85°	35.8	39.1	41.3	43.6	40.2	36.9	33.5	30.2	27.9	24.6
	87.5°	14.5	14.5	13.4	13.4	13.4	13.4	12.3	12.3	12.3	12.3
	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: P1049225

CATALOG NUMBER: GALN-SA5A-840-U-RBC

CANDELA DISTRIBUTION (continued):

272.5°		247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°
64.8	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
83.8	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.1	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90.5	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95.0	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
99.4	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
108.4	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
119.5	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.4	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175.4	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
238.0	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
330.7	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
448.0	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559.7	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
635.7	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
692.7	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
749.6	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
861.4	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1084.8	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1653.5	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2532.7	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3188.5	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3261.1	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2942.7	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2515.9	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1966.3	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1485.9	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1097.1	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
776.5											
577.6											
420.1											
316.2											
177.6											
80.4											
23.5											
11.2											
0.0											
0.0											
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REPORT NUMBER: P1049225

CATALOG NUMBER: GALN-SA5A-840-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°	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
0.0	2.5°	83.8	82.7	82.7	81.6	80.4	79.3	78.2	77.1	76.0	74.9
0.0	5°	87.1	87.1	87.1	86.0	86.0	84.9	84.9	83.8	82.7	81.6
0.0	7.5°	90.5	91.6	91.6	92.7	92.7	92.7	92.7	91.6	91.6	91.6
0.0	10°	96.1	97.2	98.3	99.4	100.5	101.7	101.7	102.8	102.8	102.8
0.0	12.5°	102.8	106.1	108.4	111.7	114.0	117.3	119.5	122.9	125.1	127.4
0.0	15°	112.8	118.4	125.1	130.7	136.3	144.1	153.1	160.9	168.7	181.0
0.0	17.5°	127.4	145.2	163.1	179.9	197.7	236.8	275.9	313.9	353.0	410.0
0.0	20°	155.3	208.9	261.4	315.1	367.6	505.0	641.3	778.7	915.0	1061.3
0.0	22.5°	217.9	349.7	481.5	613.3	745.2	1032.3	1318.3	1605.4	1891.4	2227.7
0.0	25°	316.2	558.6	801.0	1042.4	1284.8	1733.9	2184.1	2633.2	3082.4	3519.2
0.0	27.5°	460.3	831.2	1202.1	1571.9	1942.8	2551.7	3161.7	3770.6	4379.4	4873.2
0.0	30°	637.9	1140.7	1643.4	2146.1	2648.9	3341.6	4034.2	4725.8	5418.4	5958.0
0.0	32.5°	805.5	1421.1	2036.7	2651.1	3266.7	4055.4	4845.3	5634.1	6422.8	7012.7
0.0	35°	915.0	1659.0	2404.2	3148.3	3892.3	4745.9	5599.4	6451.9	7305.4	7979.1
0.0	37.5°	1024.5	1883.6	2741.6	3600.7	4458.8	5396.1	6333.4	7270.8	8208.1	9040.4
0.0	40°	1147.4	2155.1	3161.7	4169.4	5176.0	6286.5	7395.9	8506.4	9615.8	10790.0
0.0	42.5°	1360.8	2605.3	3851.0	5095.6	6340.1	7809.3	9278.4	10746.4	12215.5	13891.3
0.0	45°	1761.8	3515.8	5271.0	7025.0	8779.0	10725.2	12672.4	14618.6	16564.8	18794.7
0.0	47.5°	2743.9	5157.0	7569.1	9982.2	12394.3	14495.7	16596.1	18697.5	20797.9	23018.9
0.0	50°	4198.5	7007.1	9815.8	12623.3	15431.9	17333.4	19233.8	21135.3	23035.6	25148.3
0.0	52.5°	5250.9	8176.8	11103.9	14029.8	16955.8	18671.8	20389.0	22105.0	23821.0	25795.1
0.0	55°	5330.2	8239.4	11149.7	14058.9	16968.1	18691.9	20415.8	22139.6	23863.5	25956.0
0.0	57.5°	4719.1	7604.8	10489.4	13375.2	16259.8	18222.7	20184.5	22147.4	24109.3	26371.6
0.0	60°	4014.1	6901.0	9786.7	12673.6	15559.3	17820.5	20082.9	22344.1	24605.3	26724.6
0.0	62.5°	3131.5	6101.0	9071.7	12041.2	15010.7	17306.6	19602.5	21897.2	24193.0	25782.8
0.0	65°	2333.8	5217.3	8100.8	10983.2	13866.7	15705.6	17544.6	19382.4	21221.3	22205.5
0.0	67.5°	1687.0	4173.9	6659.7	9146.5	11632.3	12948.4	14264.5	15579.4	16895.5	17648.5
	70°	1140.7	2863.4	4585.0	6307.7	8029.3	9110.8	10193.4	11274.8	12356.3	13372.9
	72.5°	789.9	1757.4	2726.0	3693.5	4661.0	5749.1	6836.2	7924.3	9011.4	10087.2
	75°	524.0	964.1	1405.4	1845.6	2285.8	3091.3	3897.9	4703.4	5508.9	6150.2
	77.5°	372.0	503.9	636.8	768.6	900.5	1051.3	1203.2	1354.1	1504.9	1733.9
	80°	176.5	193.3	210.0	225.7	242.4	297.2	351.9	406.7	461.4	519.5
	82.5°	83.8	90.5	97.2	102.8	109.5	115.1	120.7	126.2	131.8	126.2
	85°	22.3	22.3	23.5	23.5	23.5	23.5	23.5	23.5	23.5	22.3
	87.5°	10.1	10.1	10.1	10.1	10.1	10.1	10.1	8.9	8.9	7.8
	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: P1049225

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CANDELA DISTRIBUTION (continued):

300°		275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°
64.8	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
73.7	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80.4	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90.5	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
103.9	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
128.5	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
194.4	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
465.9	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1208.8	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2564.0	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3956.0	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5367.0	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6498.8	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7603.7	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8652.7	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9873.8	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11964.1	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15567.1	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21024.7	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25239.9	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27260.9	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27769.2	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28049.6	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28633.9	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28842.8	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27373.7	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23190.9	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18402.6	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14388.5											
11163.1											
6791.5											
1962.9											
577.6											
119.5											
21.2											
7.8											
0.0											
0.0											
0.0											
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CANDELA DISTRIBUTION (continued):

300°		302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°
0.0	0°	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
0.0	2.5°	72.6	71.5	70.4	69.3	68.1	65.9	65.9	64.8	64.8
0.0	5°	79.3	78.2	77.1	76.0	76.0	74.9	73.7	73.7	72.6
0.0	7.5°	90.5	89.4	88.3	87.1	87.1	86.0	86.0	84.9	84.9
0.0	10°	103.9	103.9	103.9	103.9	103.9	102.8	102.8	102.8	101.7
0.0	12.5°	130.7	131.8	134.1	136.3	139.7	139.7	139.7	138.5	138.5
0.0	15°	206.7	219.0	227.9	236.8	244.7	262.5	260.3	257.0	254.7
0.0	17.5°	522.9	578.7	608.9	637.9	668.1	750.8	737.4	723.9	711.7
0.0	20°	1355.2	1501.5	1598.7	1695.9	1794.2	1949.5	1911.5	1873.6	1835.6
0.0	22.5°	2899.1	3235.4	3381.8	3528.1	3673.4	3861.1	3739.3	3617.5	3496.8
0.0	25°	4391.7	4828.6	5075.5	5322.4	5568.1	5675.4	5516.8	5357.0	5198.3
0.0	27.5°	5860.9	6354.7	6572.5	6789.2	7007.1	7231.7	7035.0	6837.3	6640.7
0.0	30°	7038.4	7578.0	7813.7	8048.3	8284.1	8440.5	8237.1	8032.7	7829.4
0.0	32.5°	8193.6	8783.5	9041.5	9299.6	9556.6	9781.1	9530.9	9279.5	9029.2
0.0	35°	9325.3	9999.0	10354.2	10709.5	11064.8	11273.7	10976.5	10678.2	10381.1
0.0	37.5°	10706.2	11538.5	11936.2	12333.9	12731.7	13112.6	12785.3	12456.8	12129.5
0.0	40°	13138.3	14312.5	14922.5	15533.6	16143.6	16635.2	16221.8	15808.4	15395.1
0.0	42.5°	17242.9	18918.7	19795.7	20671.6	21548.6	22316.1	21881.6	21447.0	21012.4
0.0	45°	23254.6	25484.5	26553.7	27621.7	28690.9	29251.7	28626.1	27999.4	27373.7
0.0	47.5°	27459.7	29680.7	30632.6	31584.5	32536.3	33176.5	32411.2	31645.9	30881.7
0.0	50°	29372.4	31485.0	32440.2	33394.3	34349.5	34857.9	33974.2	33089.3	32205.6
0.0	52.5°	29742.2	31716.3	32855.8	33996.5	35136.1	35815.3	34771.8	33727.3	32683.8
0.0	55°	30142.2	32234.7	33556.3	34879.1	36200.8	37141.4	35961.7	34780.8	33601.0
0.0	57.5°	30895.2	33157.5	34475.8	35793.0	37111.3	37910.1	36727.0	35542.7	34359.6
0.0	60°	30962.2	33080.4	34213.2	35347.2	36480.1	36982.8	35851.1	34718.2	33586.5
0.0	62.5°	28963.5	30553.3	31339.8	32126.3	32912.8	33459.1	32278.2	31096.2	29915.4
0.0	65°	24175.2	25159.4	25786.2	26412.9	27039.7	27691.0	26609.6	25528.1	24446.7
0.0	67.5°	19155.6	19908.6	20734.2	21559.8	22385.4	23081.4	22215.6	21348.6	20482.8
	70°	15405.1	16420.7	17349.1	18277.5	19205.8	19775.6	18906.4	18036.1	17167.0
	72.5°	12239.0	13314.8	14090.2	14864.4	15639.7	15779.4	15140.3	14501.3	13863.4
	75°	7431.6	8072.9	8088.6	8103.1	8118.7	8251.7	7722.1	7192.6	6664.1
	77.5°	2192.0	2421.0	2609.8	2797.5	2986.3	3214.2	3019.8	2824.3	2629.9
	80°	634.6	692.7	741.8	789.9	839.0	810.0	764.2	718.4	672.6
	82.5°	114.0	107.3	106.1	105.0	105.0	99.4	90.5	81.6	72.6
	85°	20.1	19.0	17.9	16.8	15.6	14.5	12.3	11.2	8.9
	87.5°	6.7	5.6	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



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CANDELA DISTRIBUTION (continued):

[illegible]



REPORT NUMBER: P1049225

CATALOG NUMBER: GALN-SA5A-840-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°	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
0.0	0.0	2.5°	63.7	62.6	62.6	62.6	62.6	61.4	61.4	61.4	61.4
0.0	0.0	5°	70.4	70.4	69.3	69.3	68.1	68.1	67.0	67.0	65.9
0.0	0.0	7.5°	82.7	81.6	80.4	79.3	78.2	76.0	74.9	73.7	73.7
0.0	0.0	10°	99.4	97.2	96.1	93.8	92.7	90.5	88.3	86.0	83.8
0.0	0.0	12.5°	130.7	126.2	122.9	118.4	114.0	110.6	106.1	102.8	98.3
0.0	0.0	15°	226.8	215.6	203.3	188.8	173.2	158.6	143.0	134.1	124.0
0.0	0.0	17.5°	579.8	521.7	462.5	414.5	366.4	319.5	271.5	236.8	202.2
0.0	0.0	20°	1475.8	1314.9	1154.1	995.4	835.7	677.0	517.3	436.8	356.4
0.0	0.0	22.5°	2777.4	2479.1	2179.7	1890.3	1599.8	1310.5	1021.1	839.0	658.0
0.0	0.0	25°	4286.7	3911.3	3535.9	3060.0	2583.0	2107.0	1631.1	1335.1	1039.0
0.0	0.0	27.5°	5578.2	5145.8	4713.5	4134.8	3556.1	2977.3	2398.6	1957.3	1517.2
0.0	0.0	30°	6696.5	6231.8	5767.0	5093.3	4419.7	3746.0	3072.3	2520.4	1968.5
0.0	0.0	32.5°	7666.3	7109.9	6553.5	5858.6	5163.7	4468.8	3773.9	3096.9	2419.9
0.0	0.0	35°	8784.6	8135.5	7485.3	6714.4	5942.4	5171.5	4400.7	3636.5	2871.2
0.0	0.0	37.5°	10205.7	9409.1	8611.4	7752.3	6893.1	6035.1	5176.0	4302.4	3428.7
0.0	0.0	40°	12926.0	11898.2	10870.4	9778.9	8686.3	7594.8	6503.2	5430.7	4358.2
0.0	0.0	42.5°	17800.4	16411.7	15023.0	13570.7	12117.2	10664.8	9211.3	7698.7	6184.8
0.0	0.0	45°	23301.5	21578.8	19854.9	18224.9	16593.8	14963.8	13333.8	11258.1	9182.3
0.0	0.0	47.5°	26395.1	24534.9	22674.8	21131.9	19589.0	18046.2	16503.3	14265.6	12027.8
0.0	0.0	50°	27533.5	25639.8	23746.2	22326.2	20905.1	19485.1	18064.1	15823.0	13580.7
0.0	0.0	52.5°	27775.9	25844.3	23912.6	22483.7	21054.8	19627.0	18198.1	15971.5	13745.0
0.0	0.0	55°	28274.2	26201.8	24128.2	22499.4	20870.5	19241.6	17612.7	15350.4	13088.0
0.0	0.0	57.5°	28925.5	26800.6	24675.7	22820.0	20964.3	19109.8	17254.1	14780.6	12307.1
0.0	0.0	60°	28754.6	26905.6	25055.5	23068.0	21079.4	19091.9	17103.3	14382.9	11661.4
0.0	0.0	62.5°	25787.3	24314.8	22841.2	21206.8	19571.2	17936.7	16302.2	13501.4	10700.6
0.0	0.0	65°	21214.6	20139.8	19065.1	17750.1	16434.1	15119.1	13804.2	11292.7	8782.3
0.0	0.0	67.5°	17193.8	15982.7	14770.5	13722.6	12673.6	11625.6	10576.6	8600.2	6623.9
		70°	13660.0	12342.9	11024.6	10001.2	8976.7	7953.4	6930.0	5616.2	4303.5
		72.5°	10848.0	9660.5	8472.9	7381.4	6288.7	5197.2	4104.6	3328.1	2551.7
		75°	5184.9	4710.1	4235.3	3664.4	3093.5	2522.6	1951.8	1613.2	1275.8
		77.5°	1921.6	1665.8	1408.8	1176.4	944.0	712.8	480.4	440.2	400.0
		80°	497.2	433.5	368.7	322.9	275.9	230.1	184.3	166.5	149.7
		82.5°	57.0	52.5	49.2	46.9	43.6	41.3	38.0	34.6	31.3
		85°	3.4	2.2	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: P1049225

CATALOG NUMBER: GALN-SA5A-840-U-RBC

CANDELA DISTRIBUTION (continued):

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REPORT NUMBER: P1049225

CATALOG NUMBER: GALN-SA5A-840-U-RBC

CANDELA DISTRIBUTION (continued):

352.5°	355°		357.5°	360°
0.0	0.0	0°	64.8	64.8
0.0	0.0	2.5°	60.3	59.2
0.0	0.0	5°	63.7	62.6
0.0	0.0	7.5°	70.4	68.1
0.0	0.0	10°	77.1	74.9
0.0	0.0	12.5°	87.1	83.8
0.0	0.0	15°	98.3	91.6
0.0	0.0	17.5°	117.3	102.8
0.0	0.0	20°	158.6	121.8
0.0	0.0	22.5°	223.4	151.9
0.0	0.0	25°	328.5	210.0
0.0	0.0	27.5°	456.9	279.3
0.0	0.0	30°	607.8	349.7
0.0	0.0	32.5°	740.7	416.7
0.0	0.0	35°	913.9	484.9
0.0	0.0	37.5°	1127.3	572.0
0.0	0.0	40°	1458.0	703.8
0.0	0.0	42.5°	2053.4	947.4
0.0	0.0	45°	3334.9	1637.8
0.0	0.0	47.5°	5131.3	2709.2
0.0	0.0	50°	6277.6	3457.7
0.0	0.0	52.5°	6371.4	3452.2
0.0	0.0	55°	5816.2	3069.0
0.0	0.0	57.5°	4962.6	2565.1
0.0	0.0	60°	4124.7	2028.8
0.0	0.0	62.5°	3249.9	1401.0
0.0	0.0	65°	2375.2	991.0
0.0	0.0	67.5°	1706.0	740.7
		70°	1121.7	567.5
		72.5°	730.7	462.5
		75°	491.6	383.2
		77.5°	287.1	254.7
		80°	101.7	89.4
		82.5°	19.0	13.4
		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: P1049225

CATALOG NUMBER: GALN-SA5A-840-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: SP1-2407-184-11

Test Date: 10/11/2024

Luminaire Tested: GSS-SB1A-840-U-5WQ

Data in this report applies to families of products including GSS-SB1A-840-U-5WQ

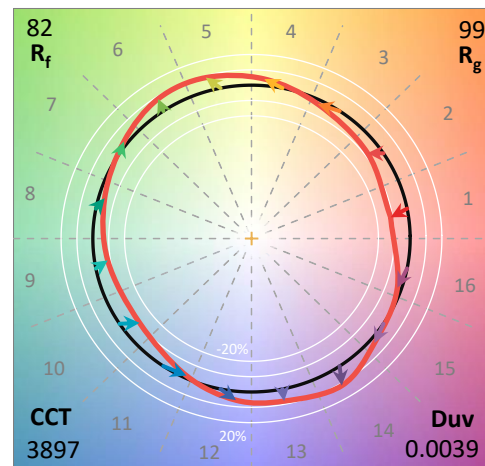
Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-11
 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-840-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI
 4000K CCT 26 LEDS

Spectral Parameters

CCT (K): 3897
 CIE u' : 0.2249
 CIE v' : 0.5084
 Duv: 0.0039
 CIE x: 0.3882
 CIE y: 0.3900
 CIE z: 0.2218
 Peak Wavelength (nm): 445
 Dominant Wavelength (nm): 577
 Purity: 33.54925
 R_f: 81.8
 R_g: 98.6

CRI (Ra): 80.2
 R1: 78.9
 R2: 83.5
 R3: 88.3
 R4: 82.1
 R5: 78.8
 R6: 78.4
 R7: 85.8
 R8: 65.8
 R9: 6.7
 R10: 61.9
 R11: 81.9
 R12: 58.9
 R13: 79.2
 R14: 93.2
 R15: 71.9



Test Conditions

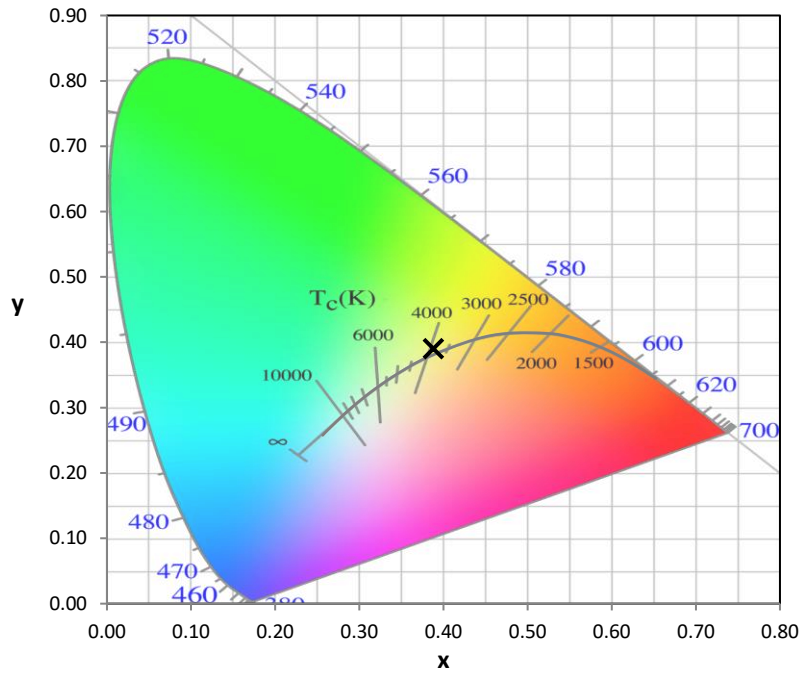
Stabilization Time: 24M
 Operation Time: 1H 24M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-11

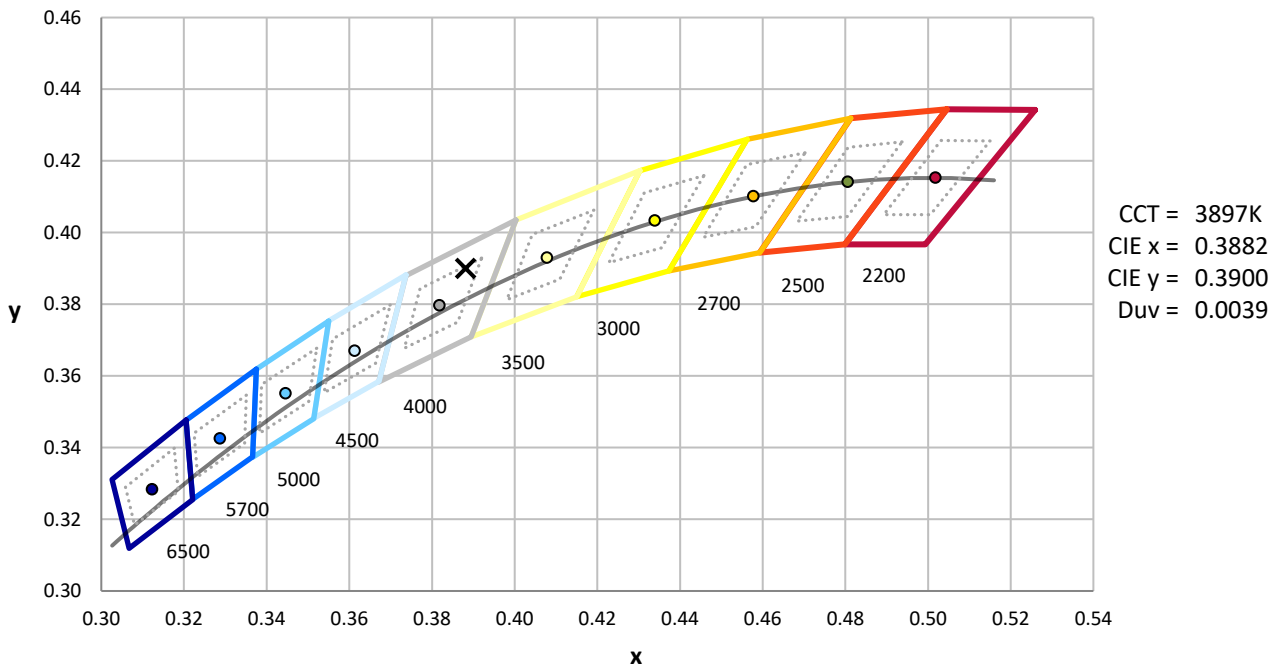
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-11

CIE 1931 Chromaticity Diagram



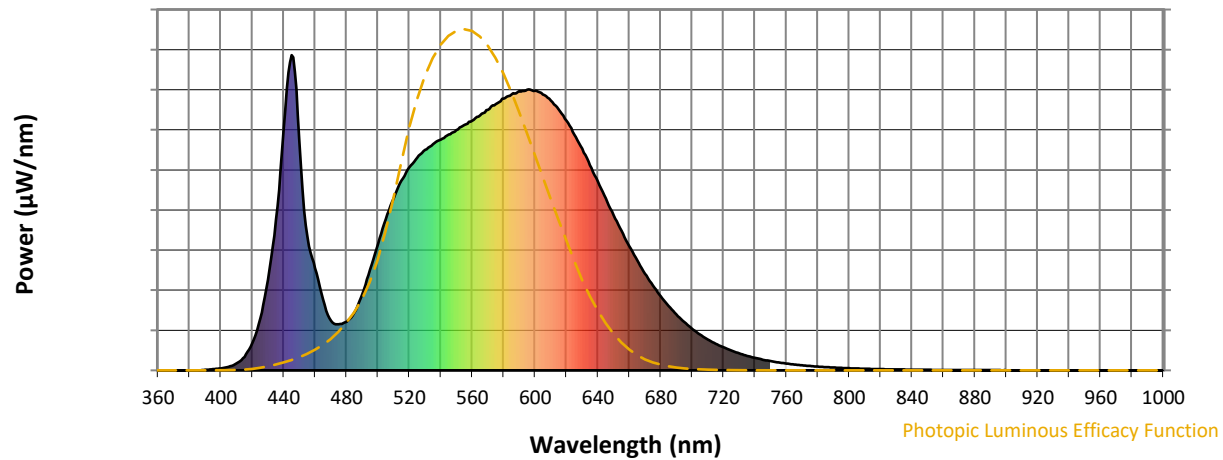
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-11

Photopic Flux vs. Wavelength

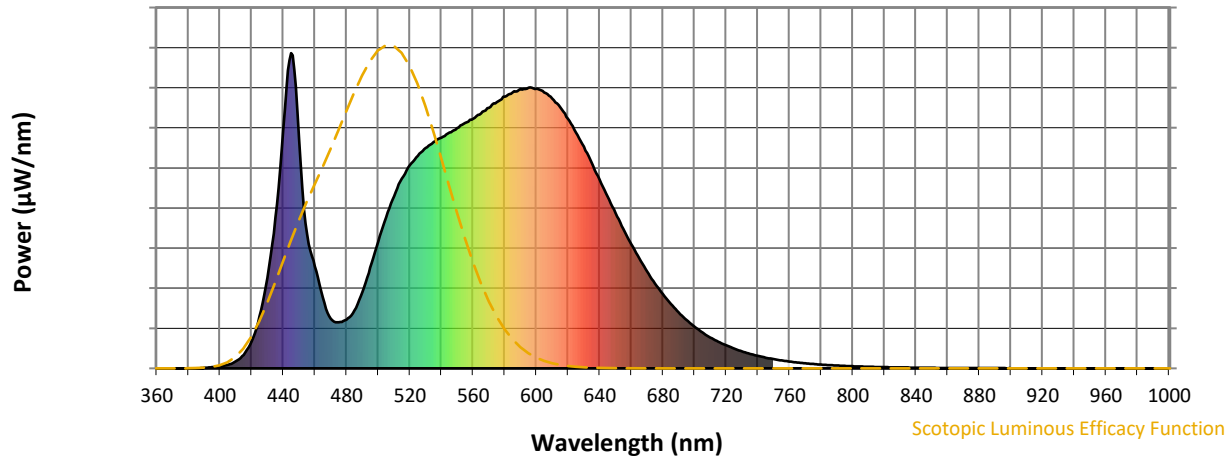


Photopic Lumens: NR

λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	242	NR	620	792	NR	750	29	NR	880	1	NR
365	0	NR	495	320	NR	625	748	NR	755	25	NR	885	1	NR
370	0	NR	500	401	NR	630	703	NR	760	22	NR	890	1	NR
375	0	NR	505	479	NR	635	651	NR	765	19	NR	895	1	NR
380	0	NR	510	546	NR	640	599	NR	770	16	NR	900	1	NR
385	0	NR	515	602	NR	645	545	NR	775	14	NR	905	0	NR
390	2	NR	520	645	NR	650	493	NR	780	12	NR	910	0	NR
395	4	NR	525	674	NR	655	443	NR	785	10	NR	915	0	NR
400	6	NR	530	699	NR	660	394	NR	790	9	NR	920	0	NR
405	11	NR	535	718	NR	665	349	NR	795	8	NR	925	0	NR
410	22	NR	540	732	NR	670	307	NR	800	7	NR	930	0	NR
415	43	NR	545	749	NR	675	269	NR	805	6	NR	935	0	NR
420	86	NR	550	762	NR	680	235	NR	810	5	NR	940	0	NR
425	164	NR	555	778	NR	685	204	NR	815	5	NR	945	0	NR
430	288	NR	560	792	NR	690	178	NR	820	4	NR	950	0	NR
435	478	NR	565	809	NR	695	153	NR	825	3	NR	955	0	NR
440	766	NR	570	827	NR	700	132	NR	830	3	NR	960	0	NR
445	1000	NR	575	845	NR	705	114	NR	835	3	NR	965	0	NR
450	726	NR	580	862	NR	710	98	NR	840	2	NR	970	0	NR
455	425	NR	585	875	NR	715	84	NR	845	2	NR	975	0	NR
460	324	NR	590	887	NR	720	73	NR	850	2	NR	980	0	NR
465	225	NR	595	890	NR	725	63	NR	855	1	NR	985	0	NR
470	157	NR	600	887	NR	730	54	NR	860	1	NR	990	0	NR
475	147	NR	605	875	NR	735	46	NR	865	1	NR	995	0	NR
480	154	NR	610	856	NR	740	40	NR	870	1	NR	1000	0	NR
485	184	NR	615	828	NR	745	34	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-11

Scotopic Flux vs. Wavelength

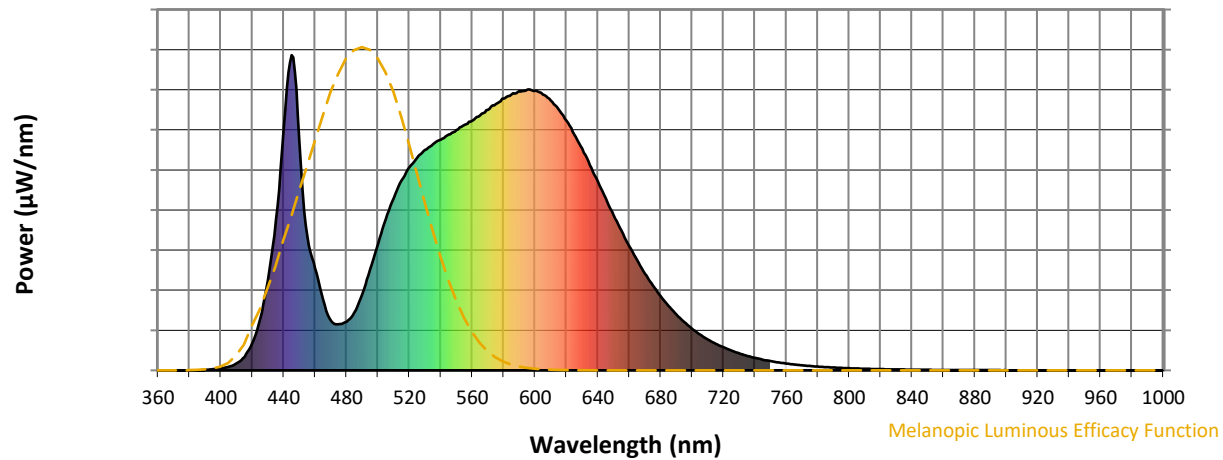


Scotopic Lumens: NR

S/P: 1.57

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	242	NR	620	792	NR	750	29	NR	880	1	NR
365	0	NR	495	320	NR	625	748	NR	755	25	NR	885	1	NR
370	0	NR	500	401	NR	630	703	NR	760	22	NR	890	1	NR
375	0	NR	505	479	NR	635	651	NR	765	19	NR	895	1	NR
380	0	NR	510	546	NR	640	599	NR	770	16	NR	900	1	NR
385	0	NR	515	602	NR	645	545	NR	775	14	NR	905	0	NR
390	2	NR	520	645	NR	650	493	NR	780	12	NR	910	0	NR
395	4	NR	525	674	NR	655	443	NR	785	10	NR	915	0	NR
400	6	NR	530	699	NR	660	394	NR	790	9	NR	920	0	NR
405	11	NR	535	718	NR	665	349	NR	795	8	NR	925	0	NR
410	22	NR	540	732	NR	670	307	NR	800	7	NR	930	0	NR
415	43	NR	545	749	NR	675	269	NR	805	6	NR	935	0	NR
420	86	NR	550	762	NR	680	235	NR	810	5	NR	940	0	NR
425	164	NR	555	778	NR	685	204	NR	815	5	NR	945	0	NR
430	288	NR	560	792	NR	690	178	NR	820	4	NR	950	0	NR
435	478	NR	565	809	NR	695	153	NR	825	3	NR	955	0	NR
440	766	NR	570	827	NR	700	132	NR	830	3	NR	960	0	NR
445	1000	NR	575	845	NR	705	114	NR	835	3	NR	965	0	NR
450	726	NR	580	862	NR	710	98	NR	840	2	NR	970	0	NR
455	425	NR	585	875	NR	715	84	NR	845	2	NR	975	0	NR
460	324	NR	590	887	NR	720	73	NR	850	2	NR	980	0	NR
465	225	NR	595	890	NR	725	63	NR	855	1	NR	985	0	NR
470	157	NR	600	887	NR	730	54	NR	860	1	NR	990	0	NR
475	147	NR	605	875	NR	735	46	NR	865	1	NR	995	0	NR
480	154	NR	610	856	NR	740	40	NR	870	1	NR	1000	0	NR
485	184	NR	615	828	NR	745	34	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-11

Melanopic Flux vs. Wavelength

Melanopic Lumens: NR
M/P: 3.06

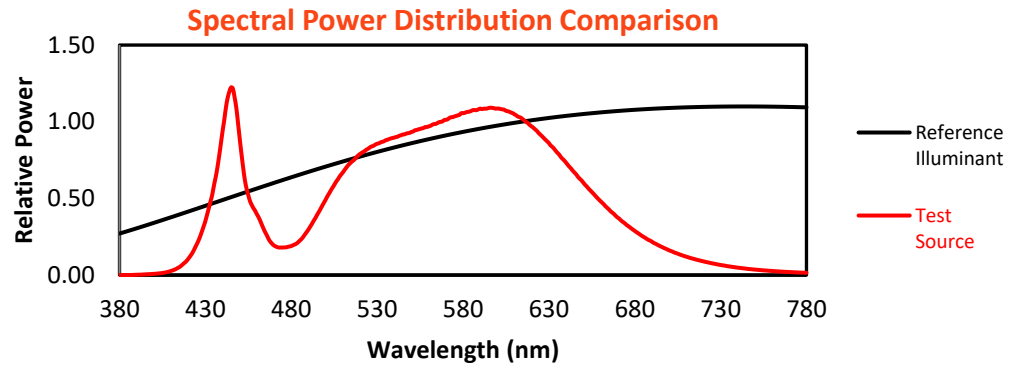
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	242	NR	620	792	NR	750	29	NR	880	1	NR
365	0	NR	495	320	NR	625	748	NR	755	25	NR	885	1	NR
370	0	NR	500	401	NR	630	703	NR	760	22	NR	890	1	NR
375	0	NR	505	479	NR	635	651	NR	765	19	NR	895	1	NR
380	0	NR	510	546	NR	640	599	NR	770	16	NR	900	1	NR
385	0	NR	515	602	NR	645	545	NR	775	14	NR	905	0	NR
390	2	NR	520	645	NR	650	493	NR	780	12	NR	910	0	NR
395	4	NR	525	674	NR	655	443	NR	785	10	NR	915	0	NR
400	6	NR	530	699	NR	660	394	NR	790	9	NR	920	0	NR
405	11	NR	535	718	NR	665	349	NR	795	8	NR	925	0	NR
410	22	NR	540	732	NR	670	307	NR	800	7	NR	930	0	NR
415	43	NR	545	749	NR	675	269	NR	805	6	NR	935	0	NR
420	86	NR	550	762	NR	680	235	NR	810	5	NR	940	0	NR
425	164	NR	555	778	NR	685	204	NR	815	5	NR	945	0	NR
430	288	NR	560	792	NR	690	178	NR	820	4	NR	950	0	NR
435	478	NR	565	809	NR	695	153	NR	825	3	NR	955	0	NR
440	766	NR	570	827	NR	700	132	NR	830	3	NR	960	0	NR
445	1000	NR	575	845	NR	705	114	NR	835	3	NR	965	0	NR
450	726	NR	580	862	NR	710	98	NR	840	2	NR	970	0	NR
455	425	NR	585	875	NR	715	84	NR	845	2	NR	975	0	NR
460	324	NR	590	887	NR	720	73	NR	850	2	NR	980	0	NR
465	225	NR	595	890	NR	725	63	NR	855	1	NR	985	0	NR
470	157	NR	600	887	NR	730	54	NR	860	1	NR	990	0	NR
475	147	NR	605	875	NR	735	46	NR	865	1	NR	995	0	NR
480	154	NR	610	856	NR	740	40	NR	870	1	NR	1000	0	NR
485	184	NR	615	828	NR	745	34	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-11

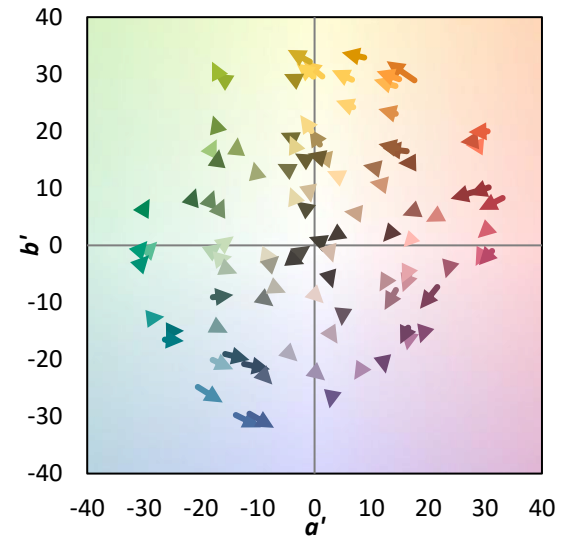
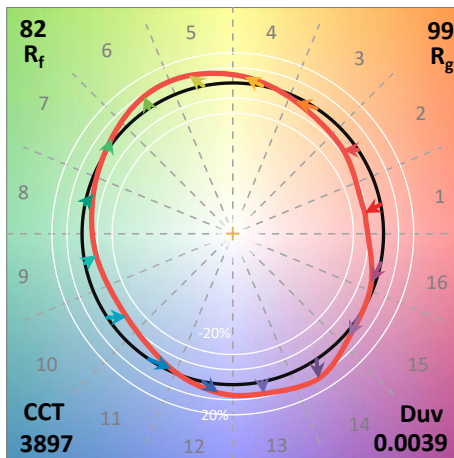
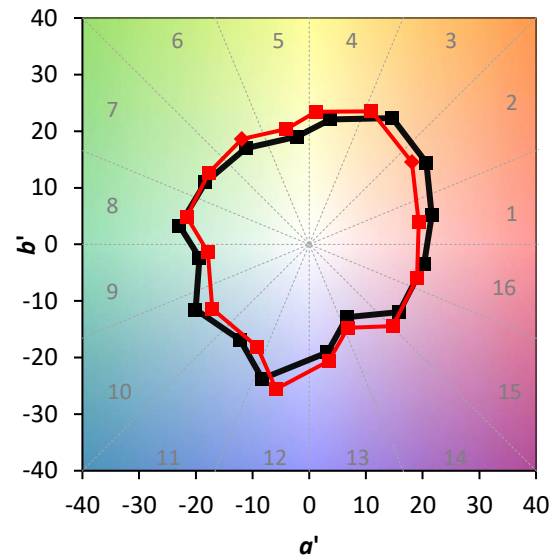
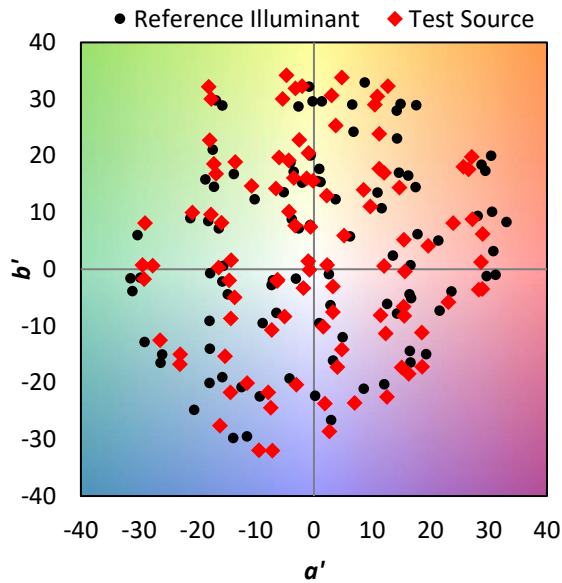
TM-30-18

Summary

$R_f = 81.8$
 $R_g = 98.6$
 $CIE R_a = 80.2$
 $R_9 = 6.7$

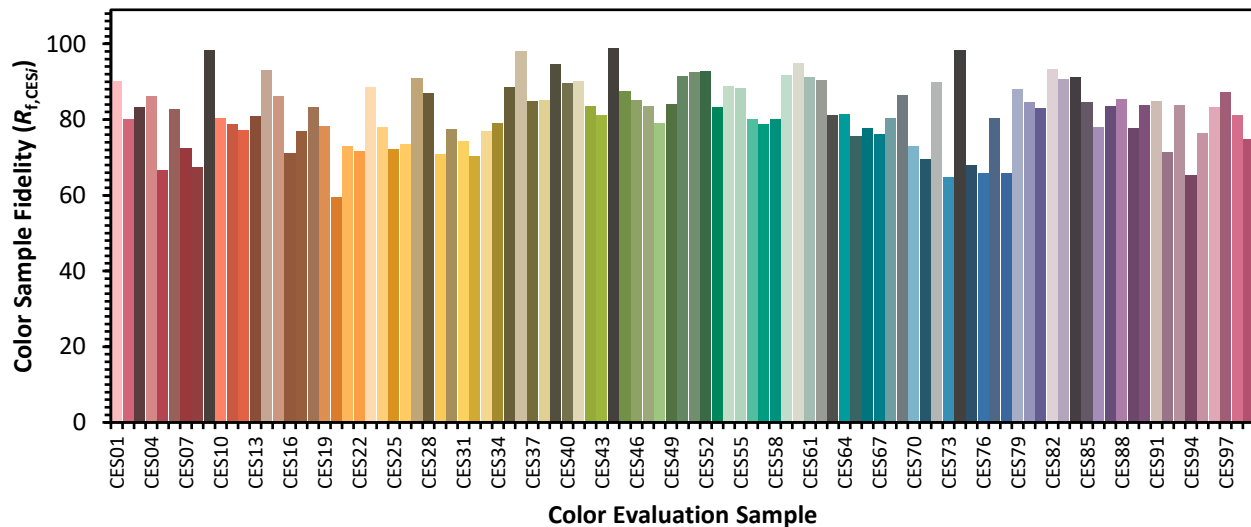


Color Vector Graphics

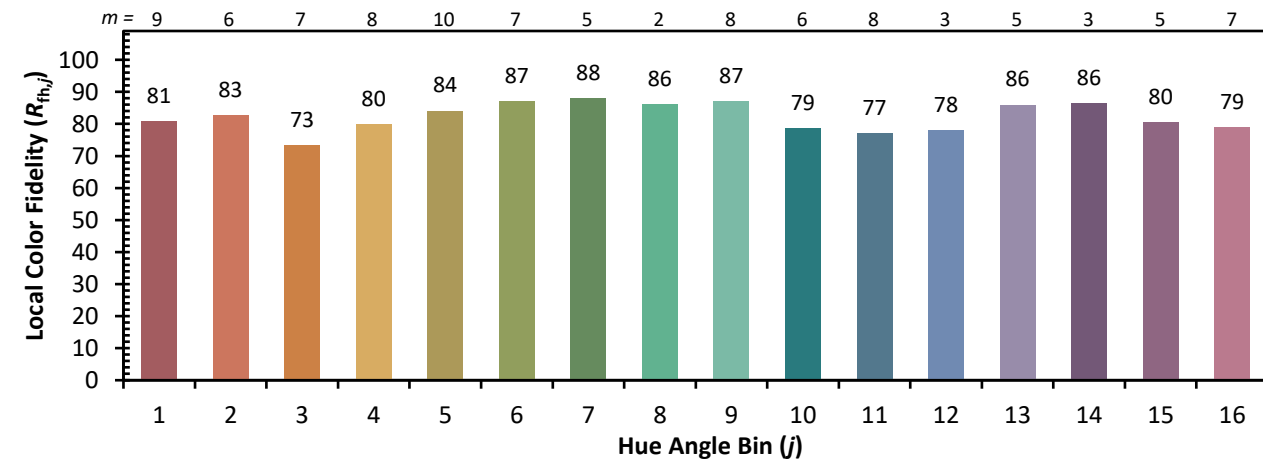
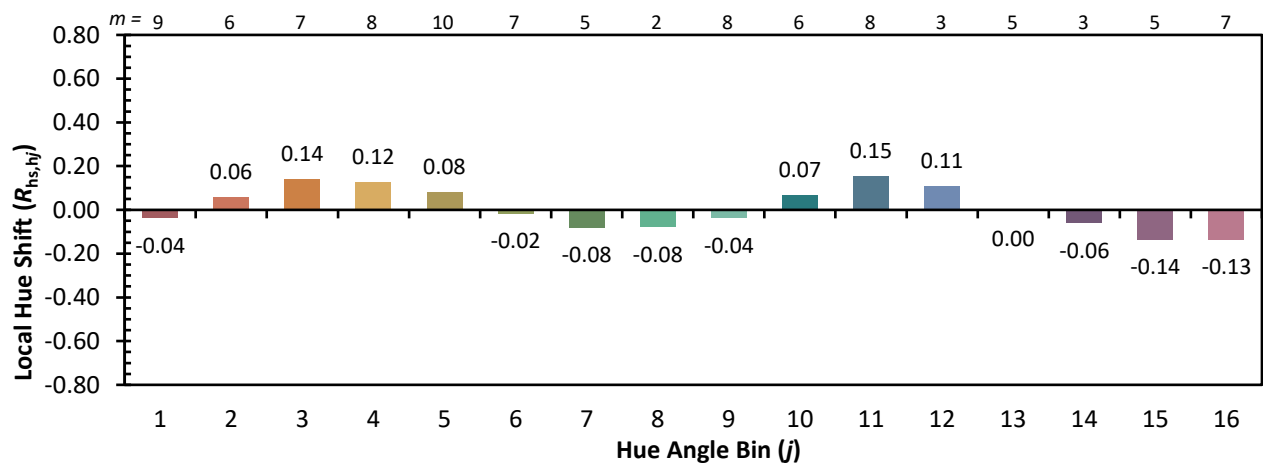
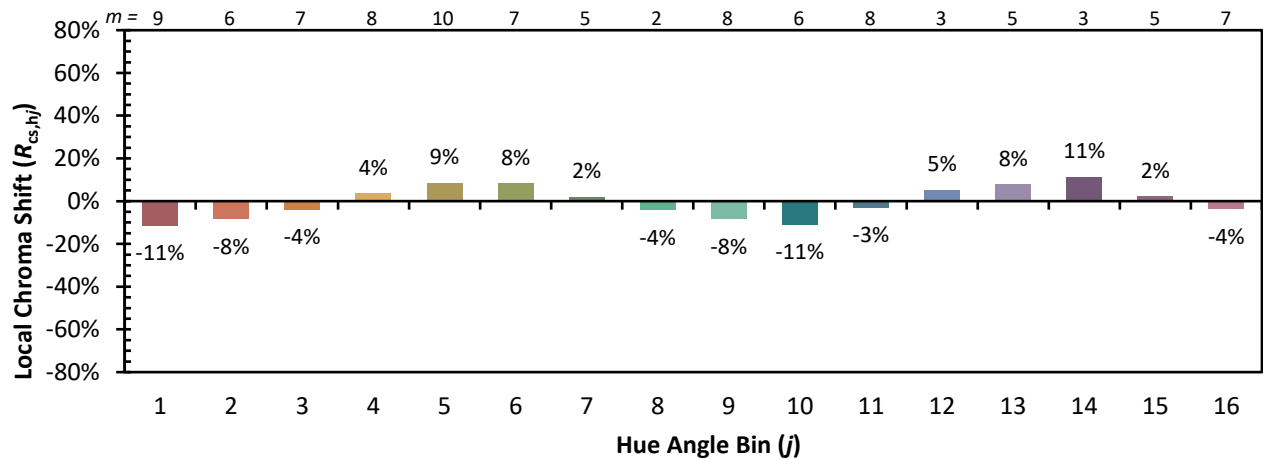


Individual Sample Fidelity Index ($R_{f,i}$)

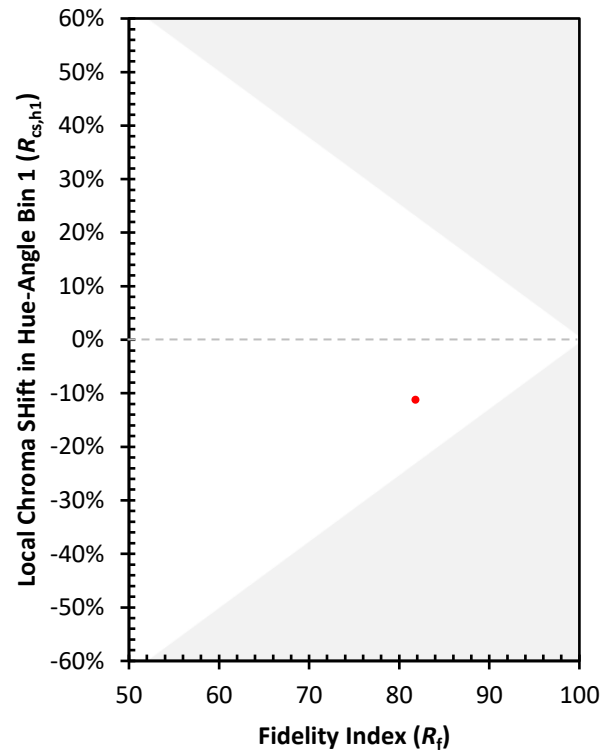
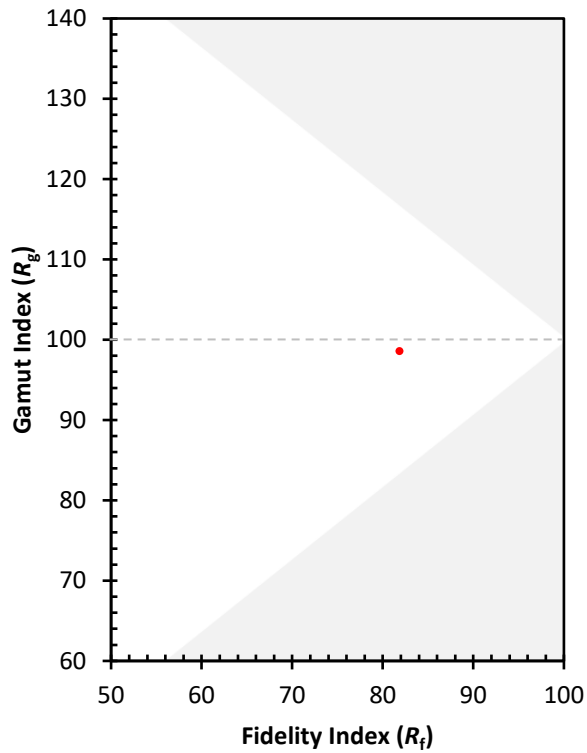
CES01 = 85	CES26 = 73	CES51 = 93	CES76 = 66
CES02 = 61	CES27 = 91	CES52 = 93	CES77 = 80
CES03 = 31	CES28 = 87	CES53 = 83	CES78 = 66
CES04 = 69	CES29 = 71	CES54 = 89	CES79 = 88
CES05 = 48	CES30 = 77	CES55 = 88	CES80 = 85
CES06 = 50	CES31 = 74	CES56 = 80	CES81 = 83
CES07 = 41	CES32 = 70	CES57 = 79	CES82 = 93
CES08 = 40	CES33 = 77	CES58 = 80	CES83 = 91
CES09 = 29	CES34 = 79	CES59 = 92	CES84 = 91
CES10 = 74	CES35 = 88	CES60 = 95	CES85 = 84
CES11 = 57	CES36 = 98	CES61 = 91	CES86 = 78
CES12 = 63	CES37 = 85	CES62 = 90	CES87 = 84
CES13 = 42	CES38 = 85	CES63 = 81	CES88 = 85
CES14 = 74	CES39 = 95	CES64 = 81	CES89 = 78
CES15 = 71	CES40 = 90	CES65 = 76	CES90 = 84
CES16 = 47	CES41 = 90	CES66 = 78	CES91 = 85
CES17 = 49	CES42 = 84	CES67 = 76	CES92 = 71
CES18 = 56	CES43 = 81	CES68 = 80	CES93 = 84
CES19 = 71	CES44 = 99	CES69 = 86	CES94 = 65
CES20 = 65	CES45 = 87	CES70 = 73	CES95 = 77
CES21 = 86	CES46 = 85	CES71 = 70	CES96 = 83
CES22 = 78	CES47 = 84	CES72 = 90	CES97 = 87
CES23 = 91	CES48 = 79	CES73 = 65	CES98 = 81
CES24 = 90	CES49 = 84	CES74 = 98	CES99 = 75
CES25 = 71	CES50 = 91	CES75 = 68	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)